

FIG. 1

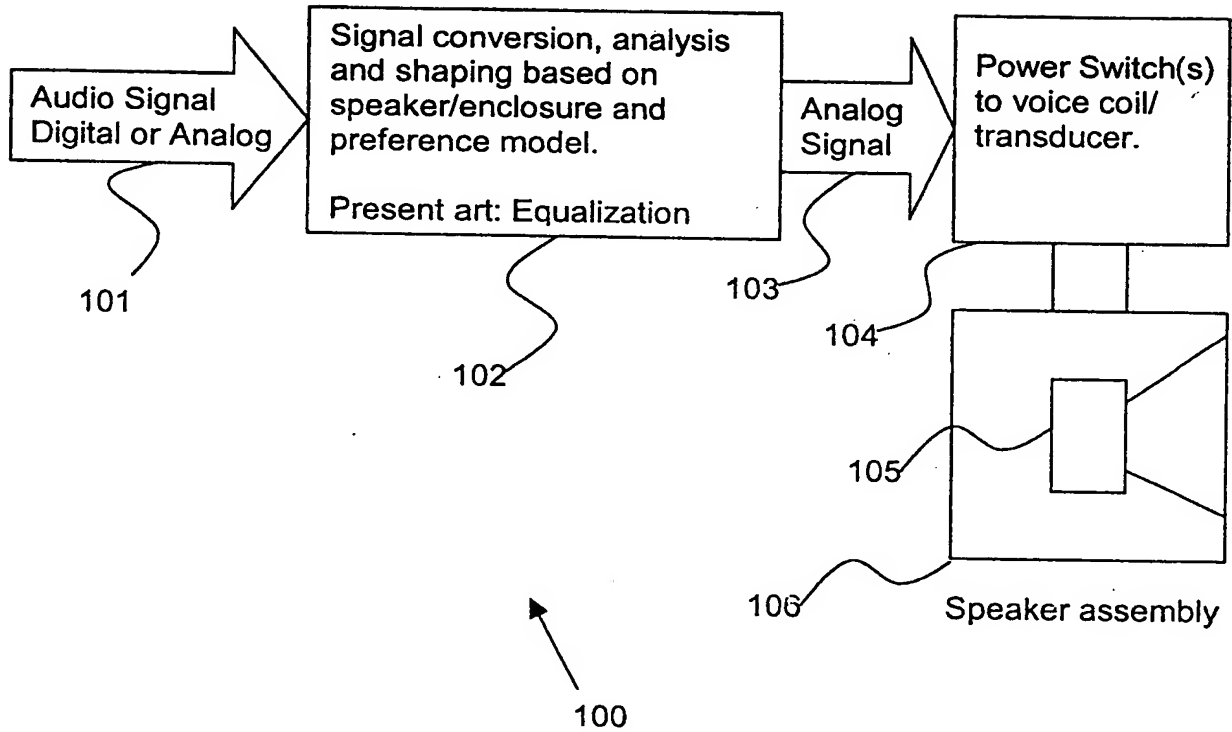


FIG. 2

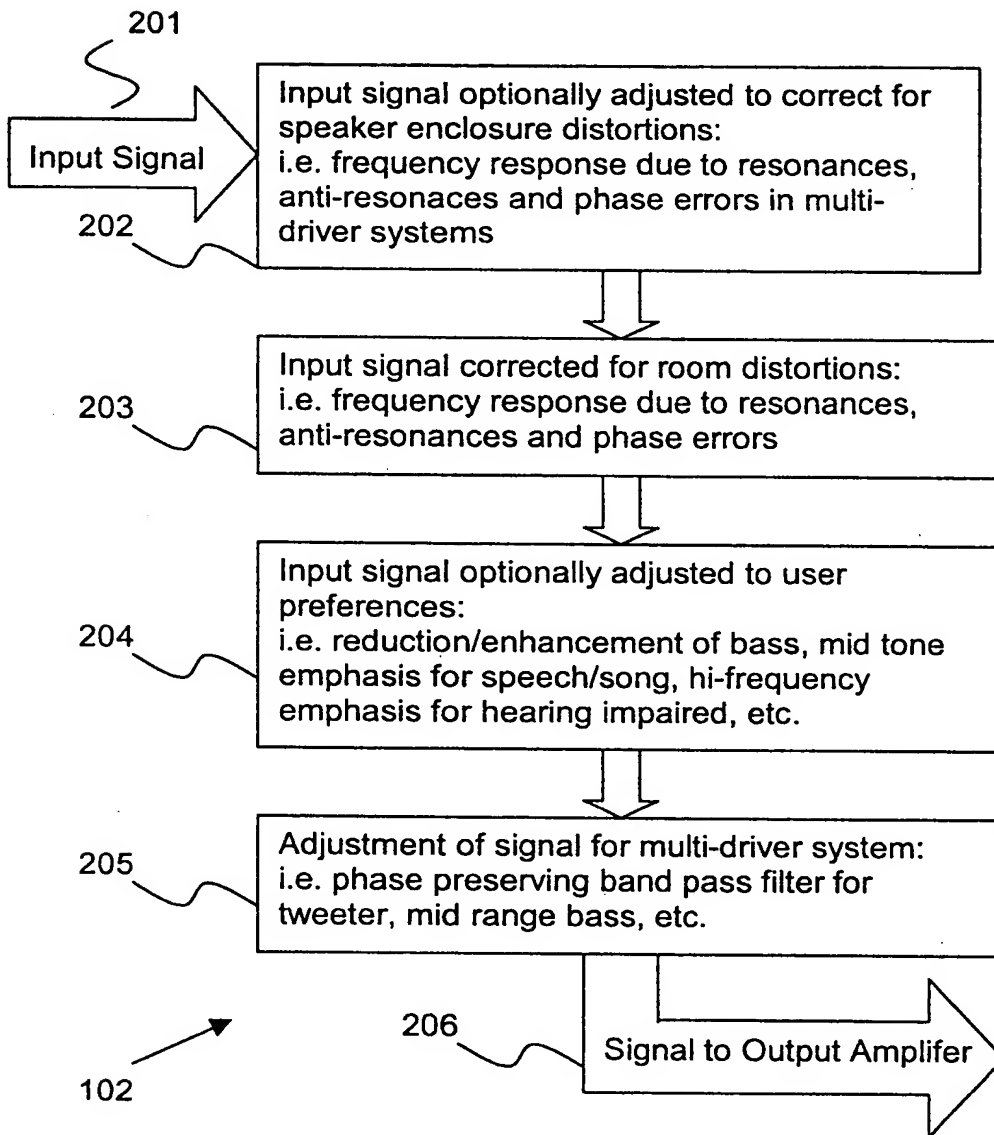


FIG. 3

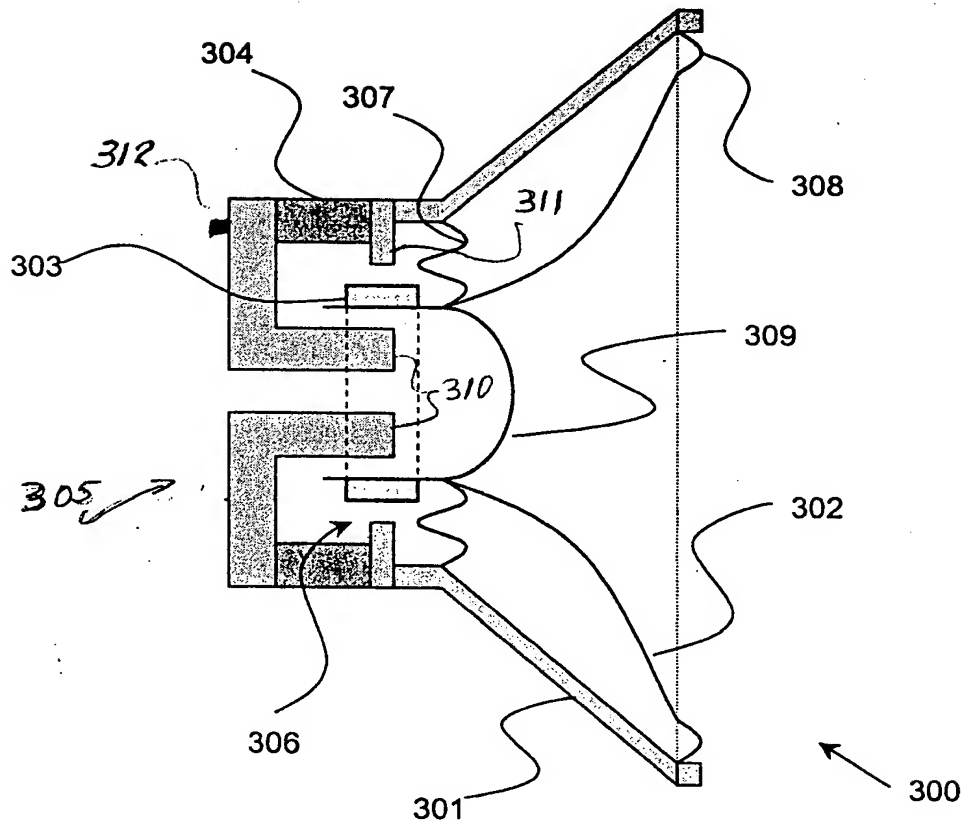


FIG. 4

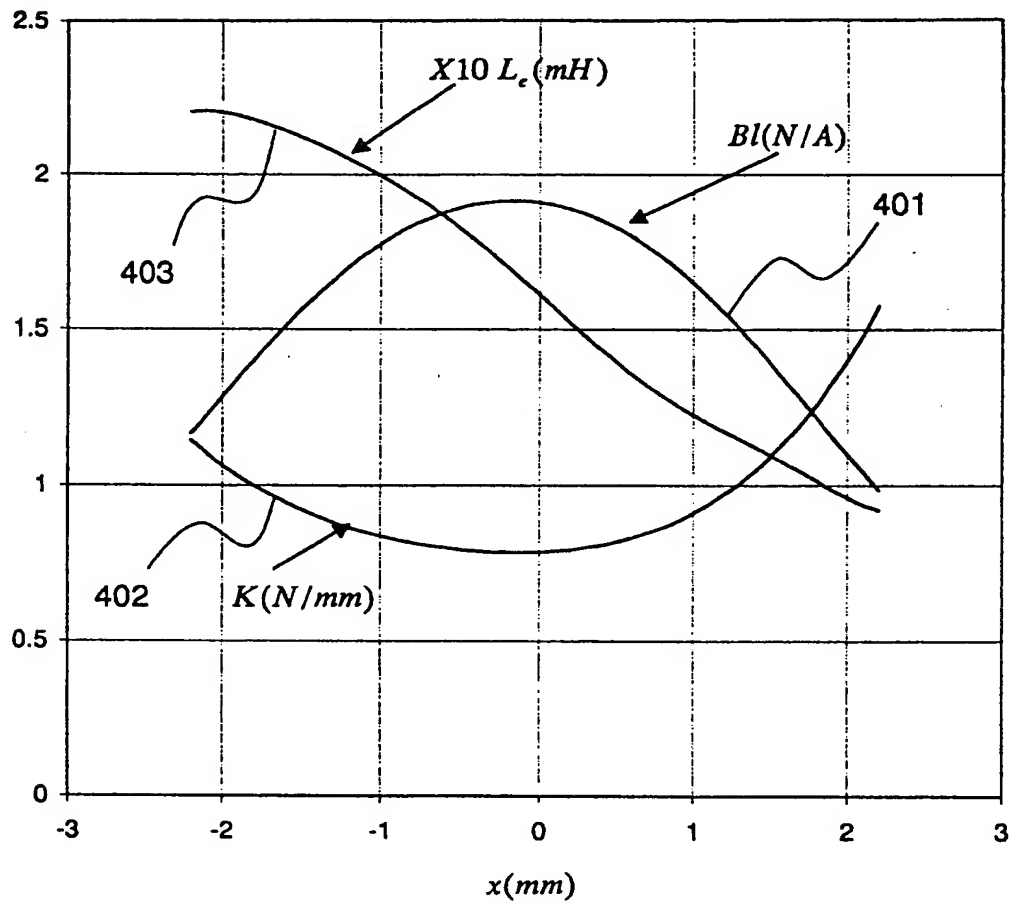


FIG. 5

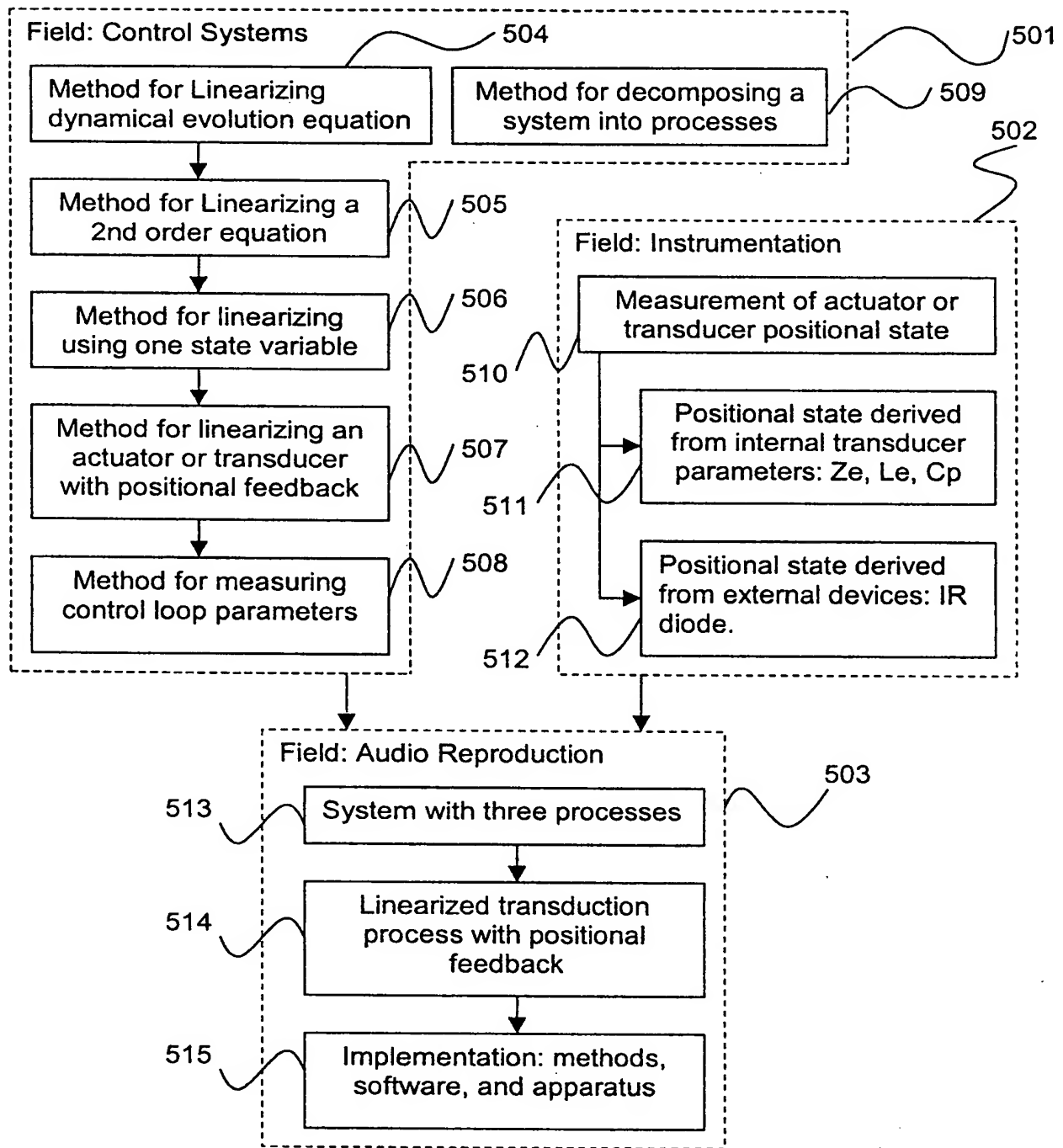


FIG. 6

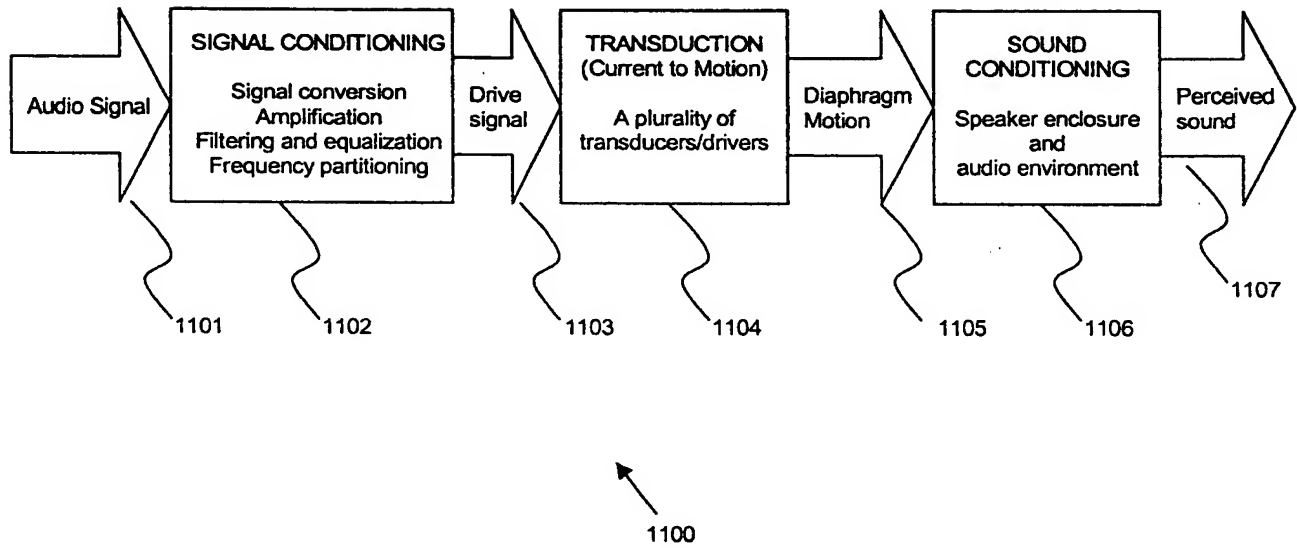


FIG. 7

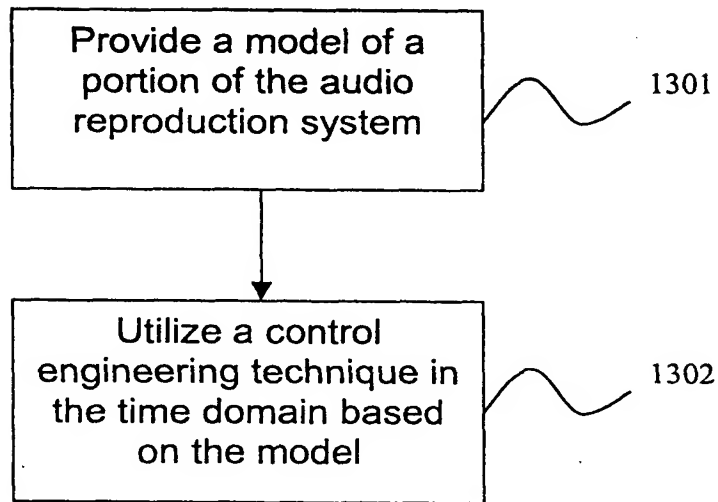


FIG. 8

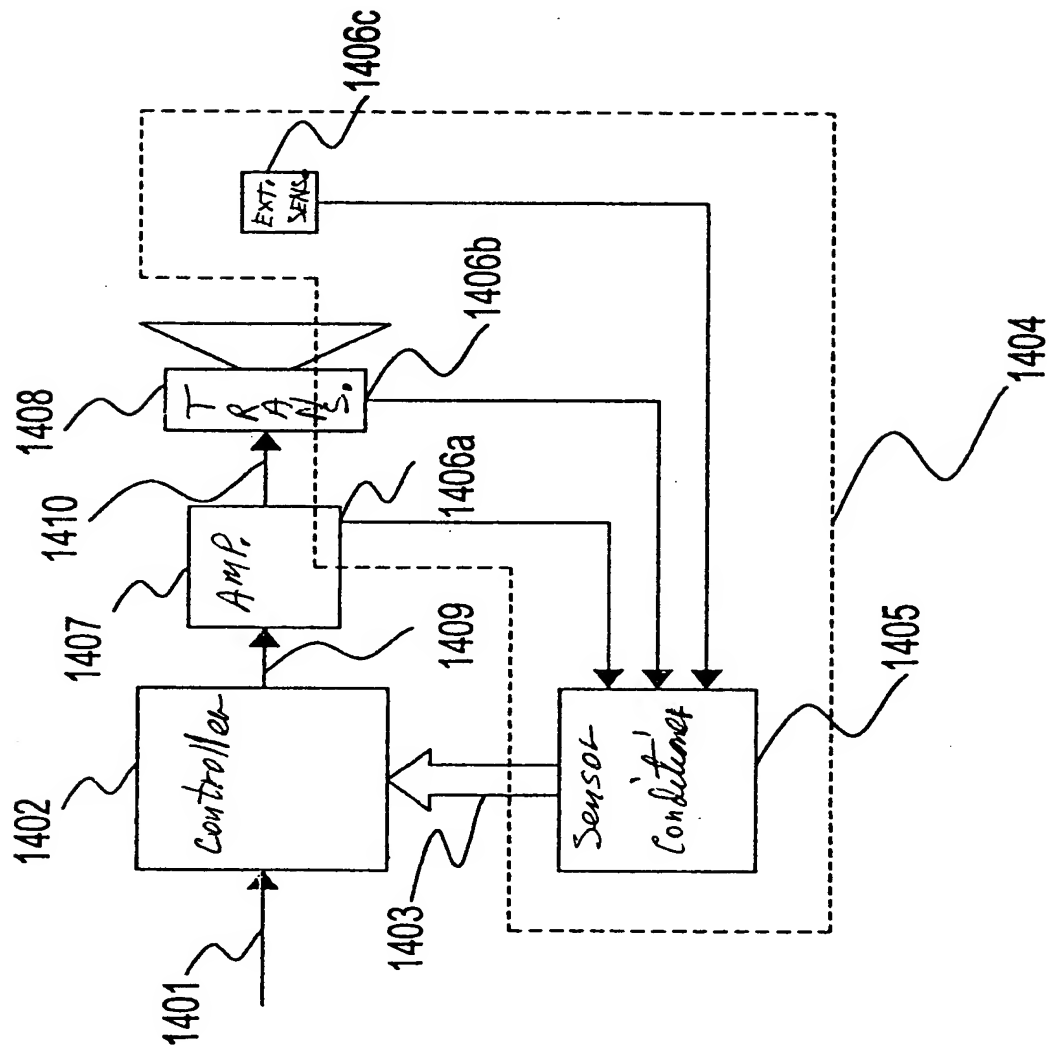


FIG. 9

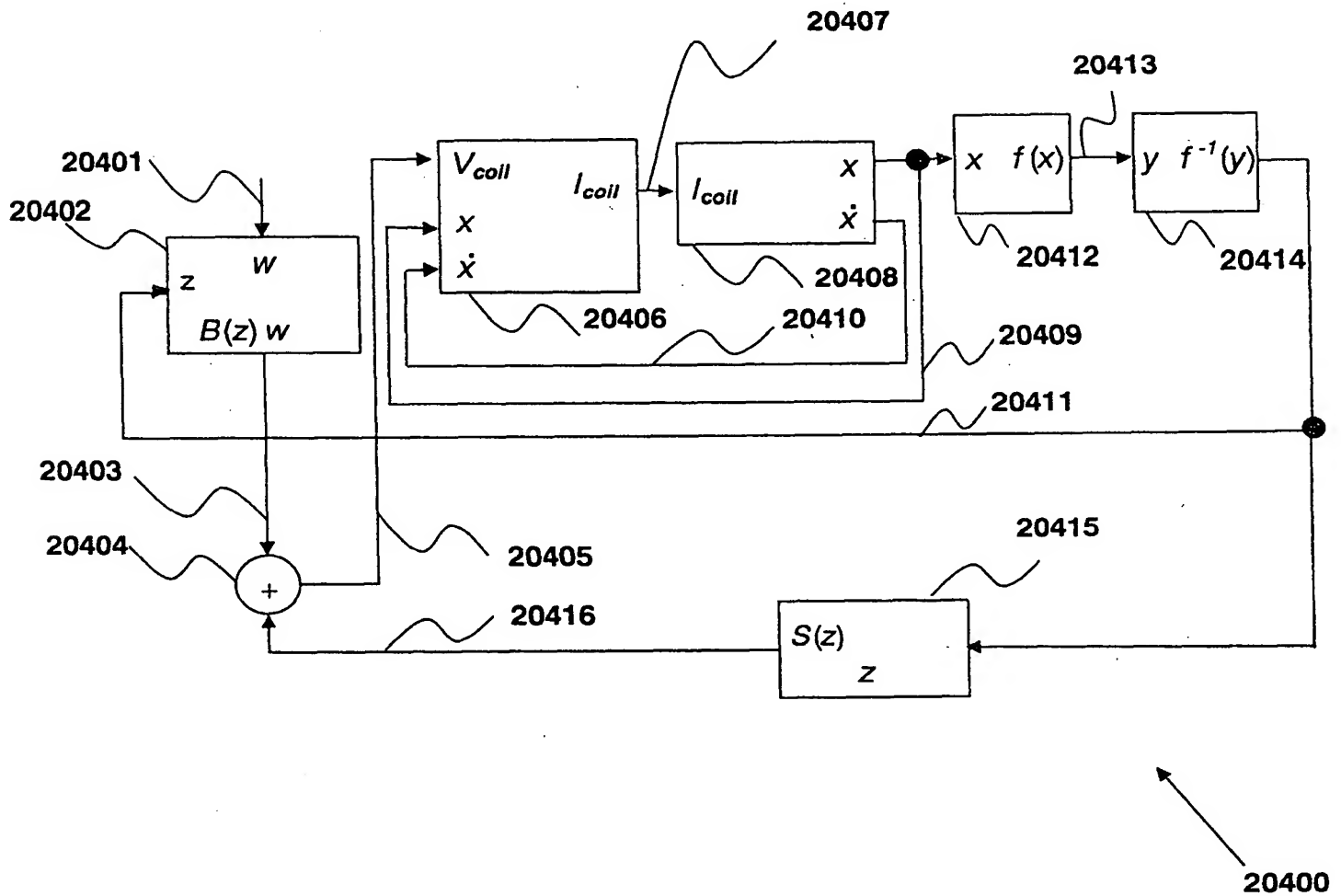


FIG. 10

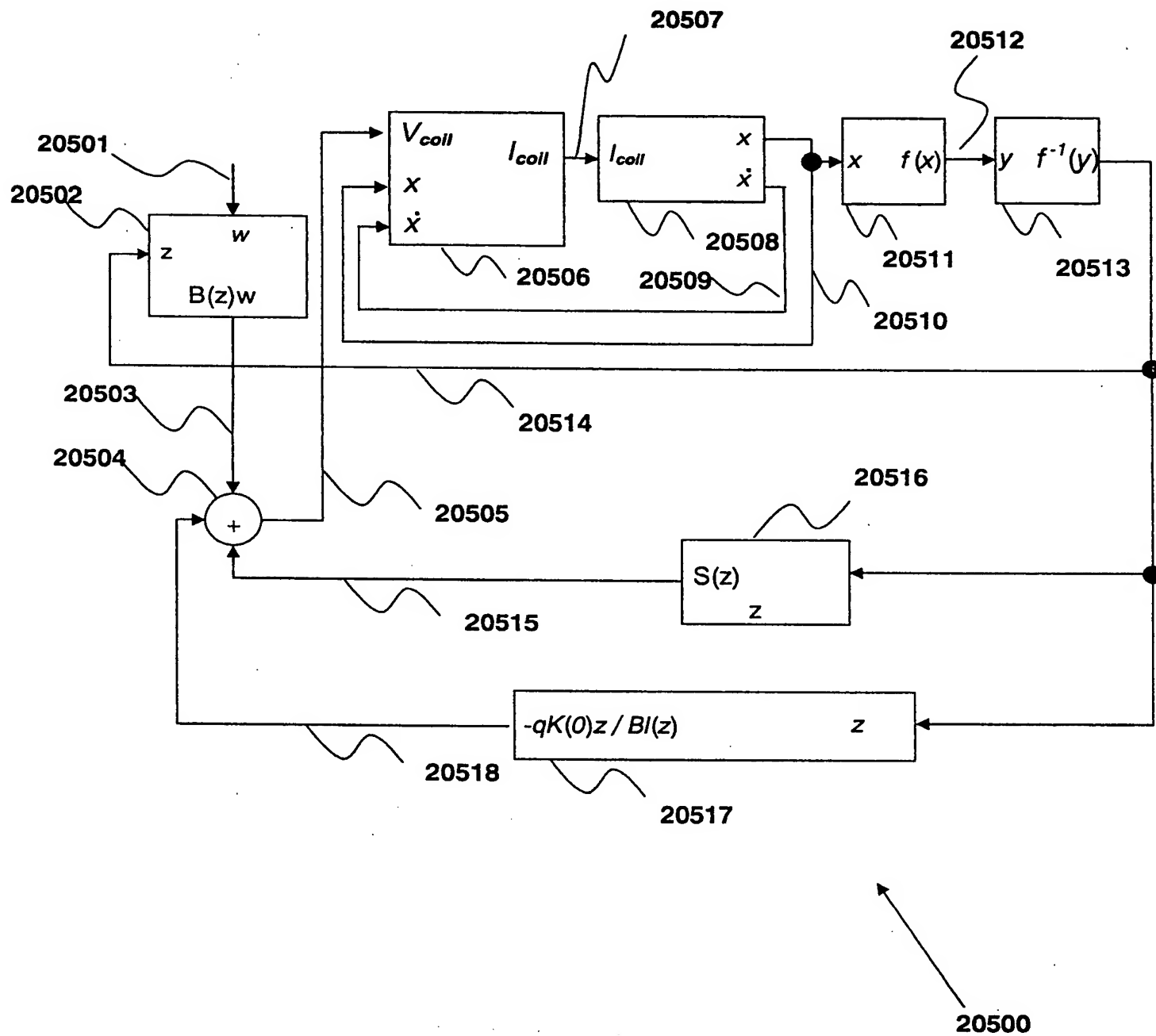


FIG. 11

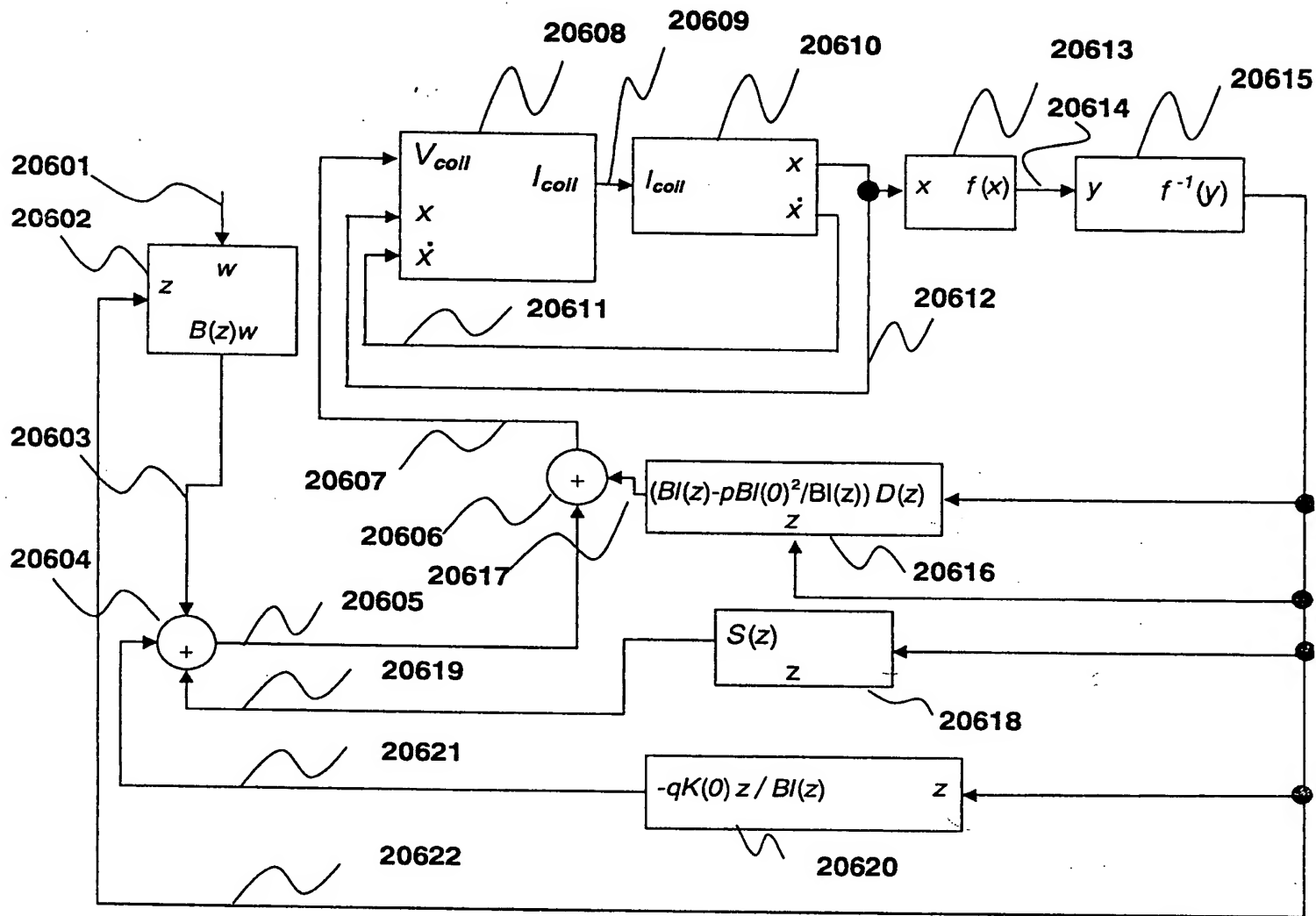
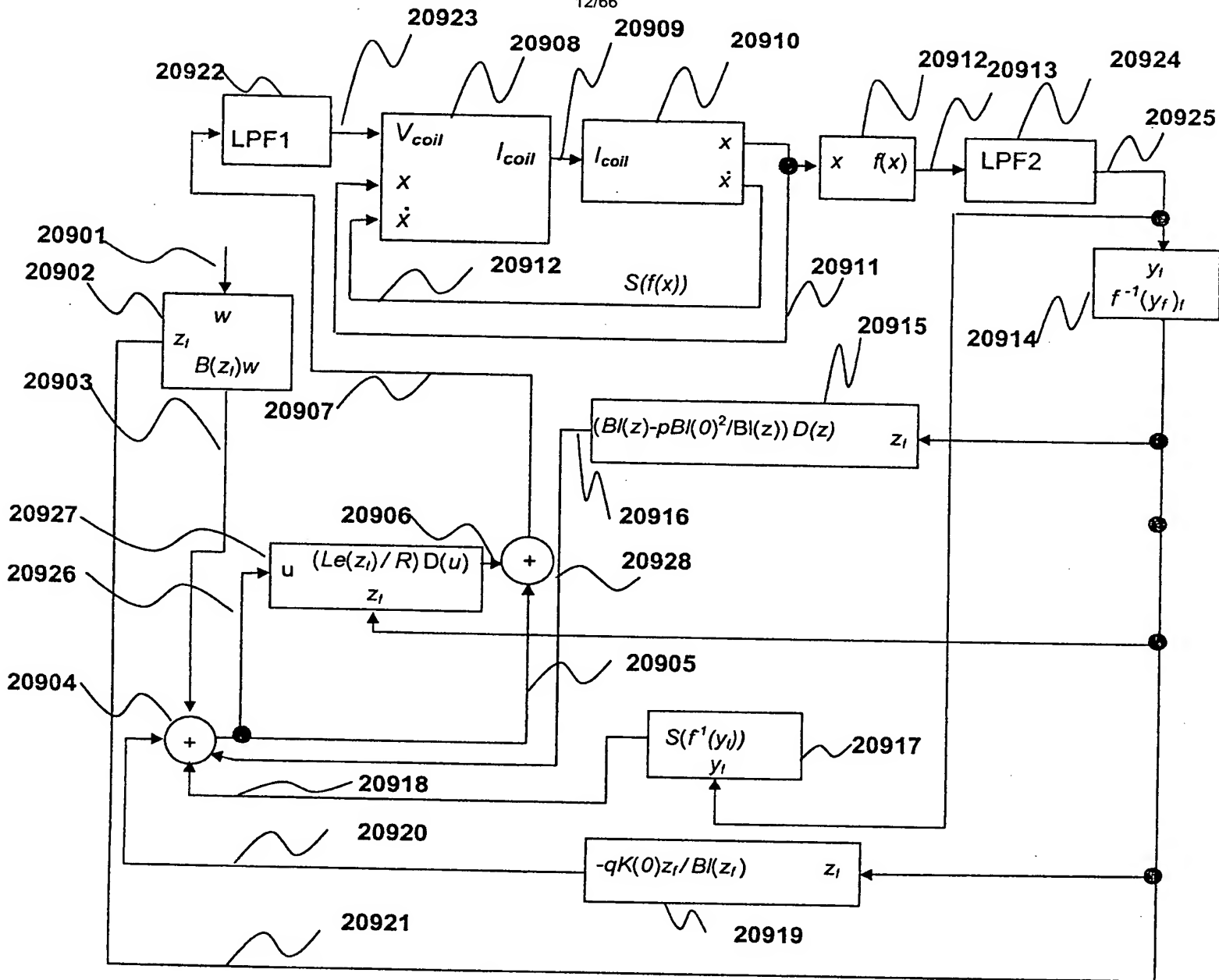


FIG. 12

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FIG. 13

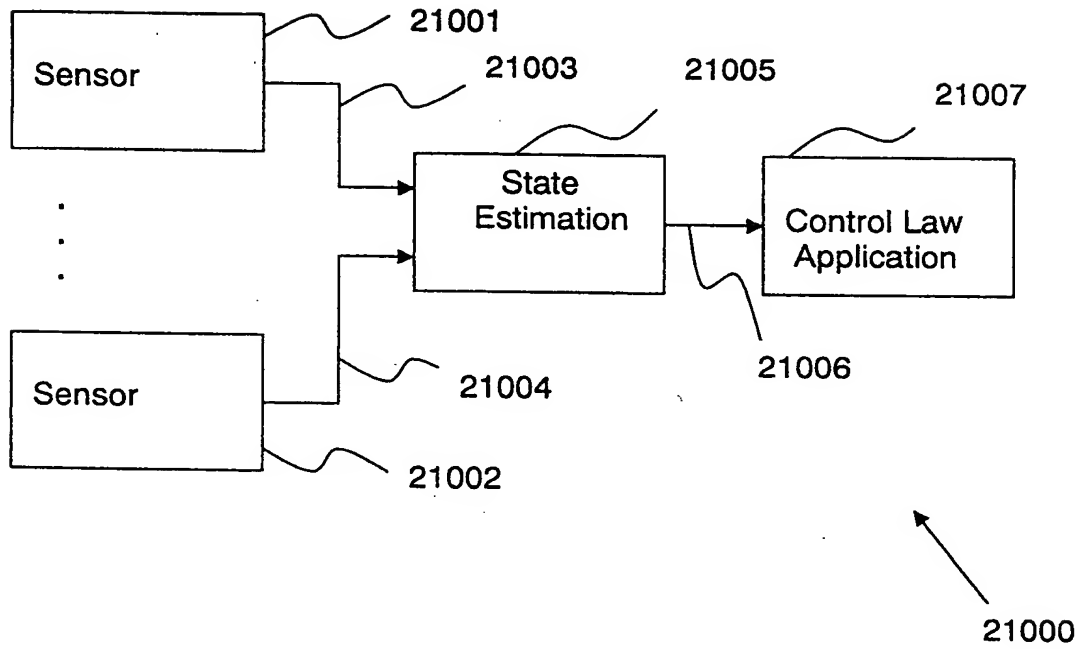


FIG. 14

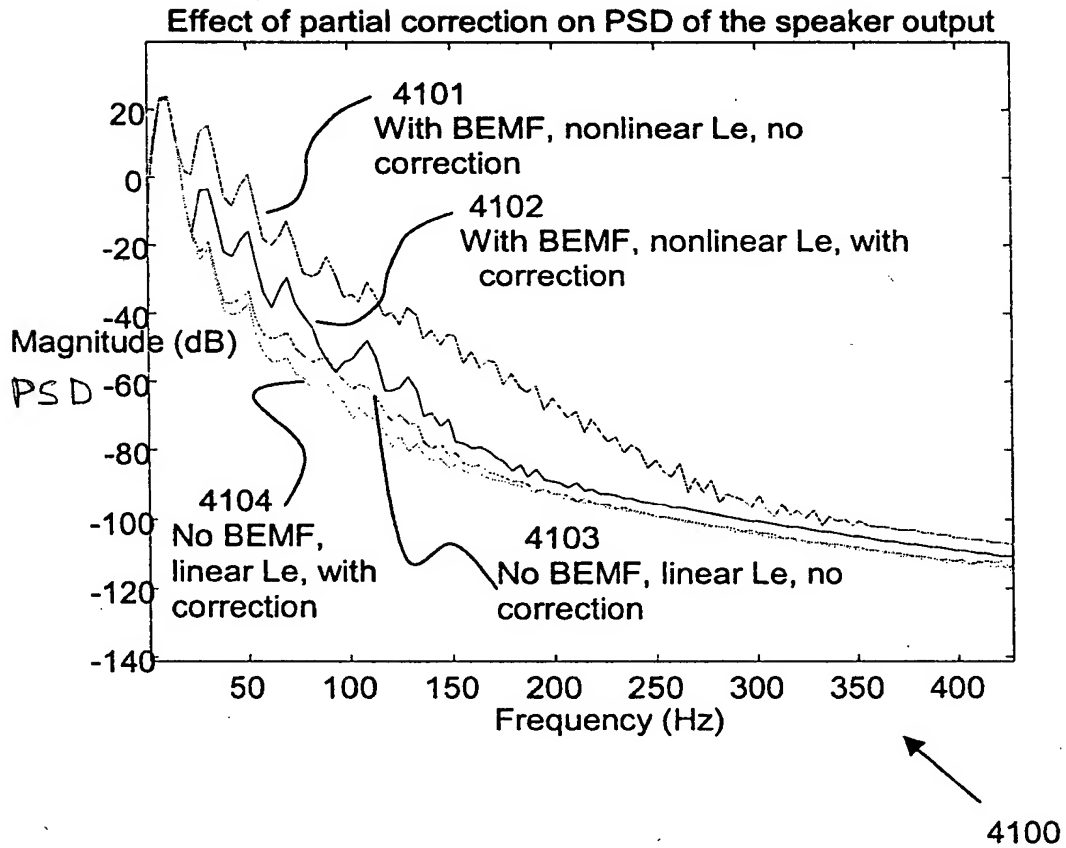
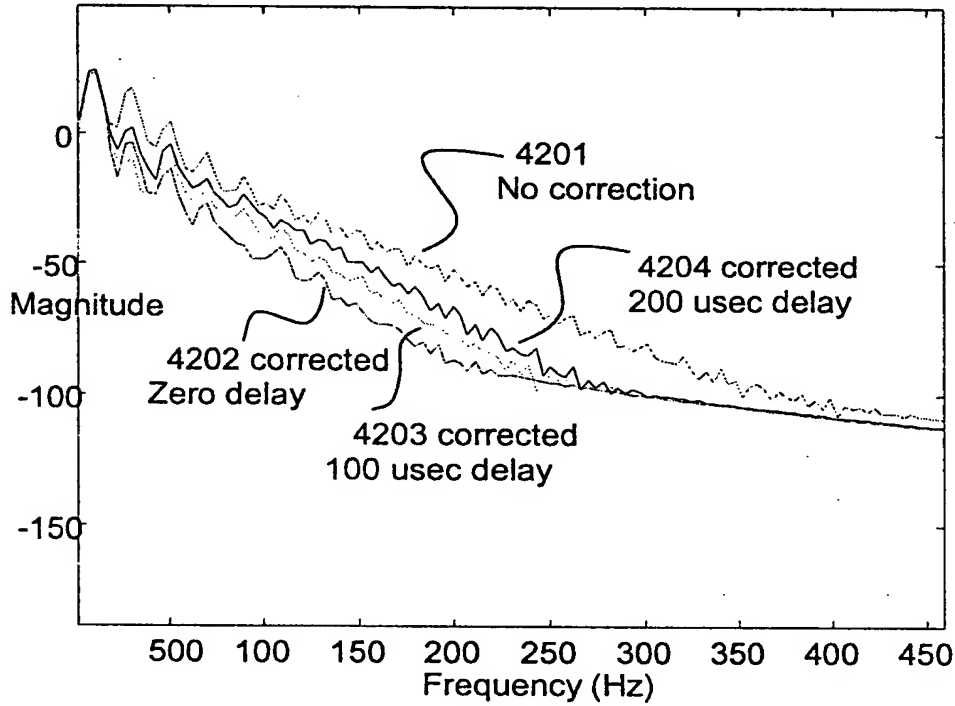


FIG. 15

PSD of the speaker output (cone velocity) with time-delayed correction



4200

FIG. 16

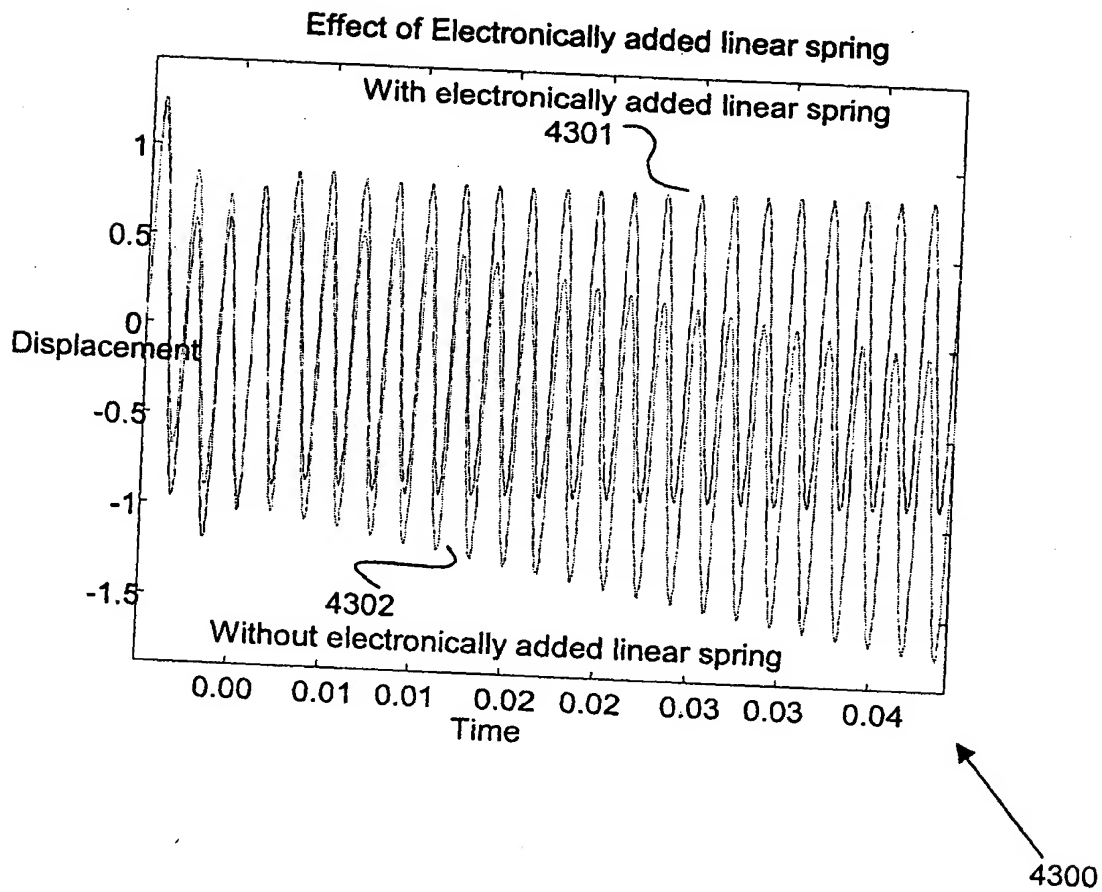


FIG. 17

Electronically implemented linear spring in the absence of $Bl(x)$ effect

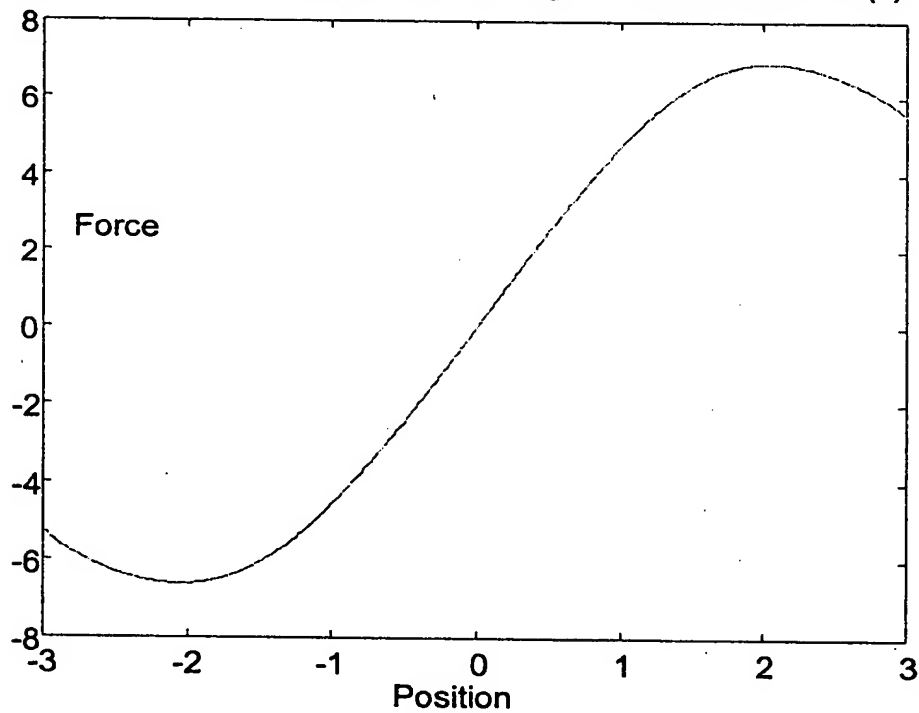


FIG. 18

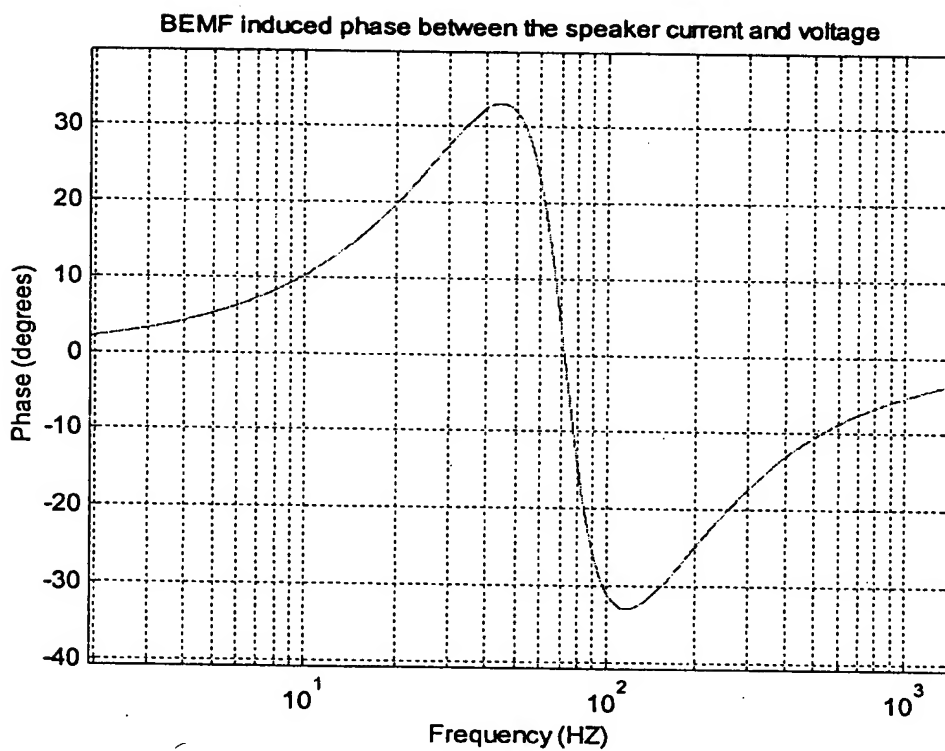


FIG. 19

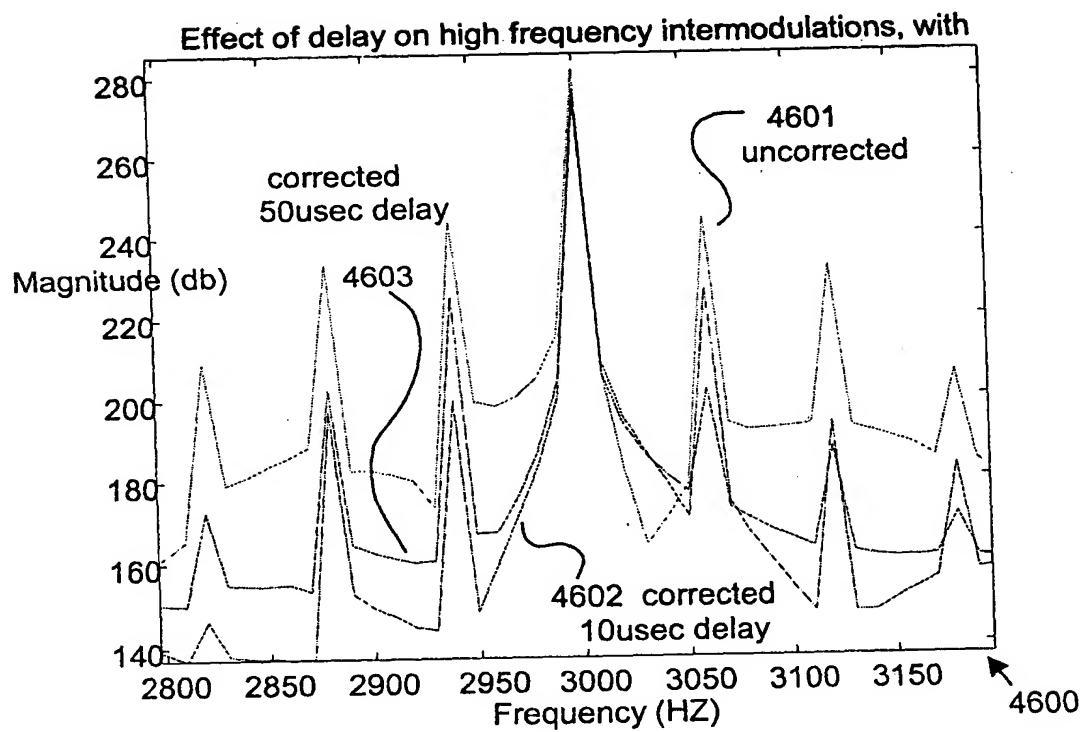


FIG. 20

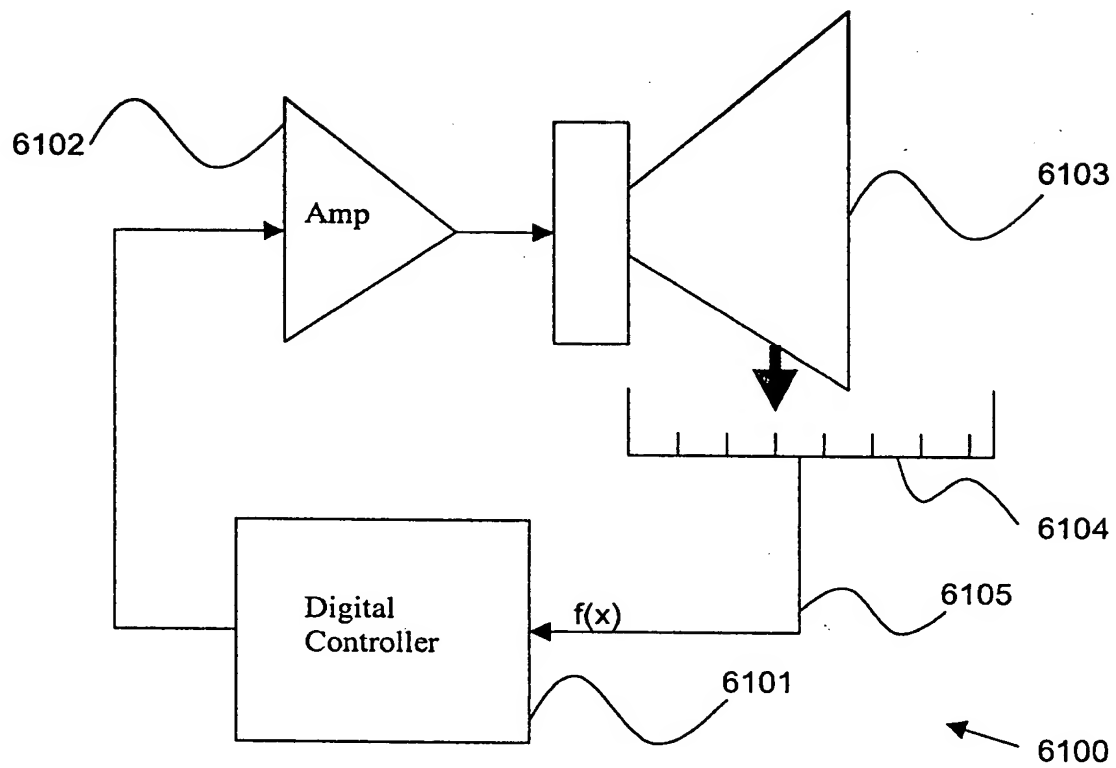


FIG. 21

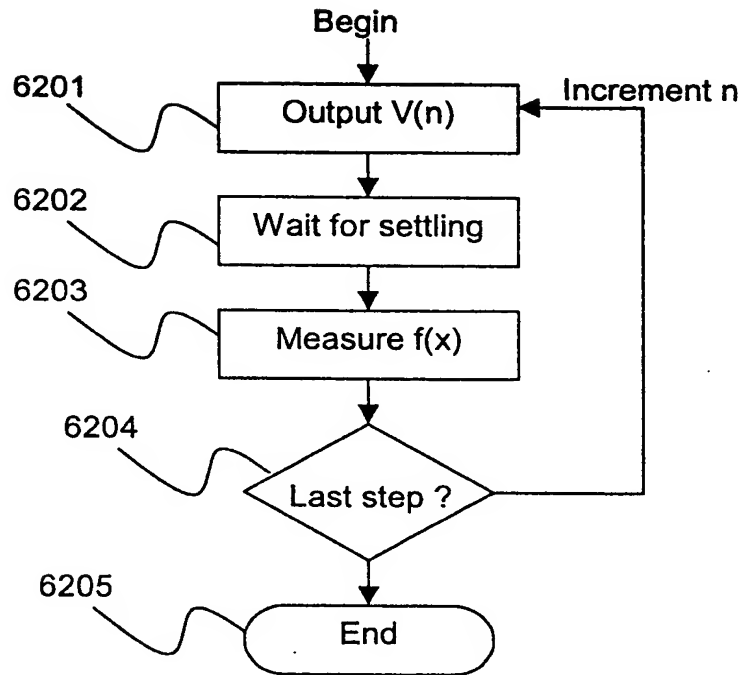


FIG. 22

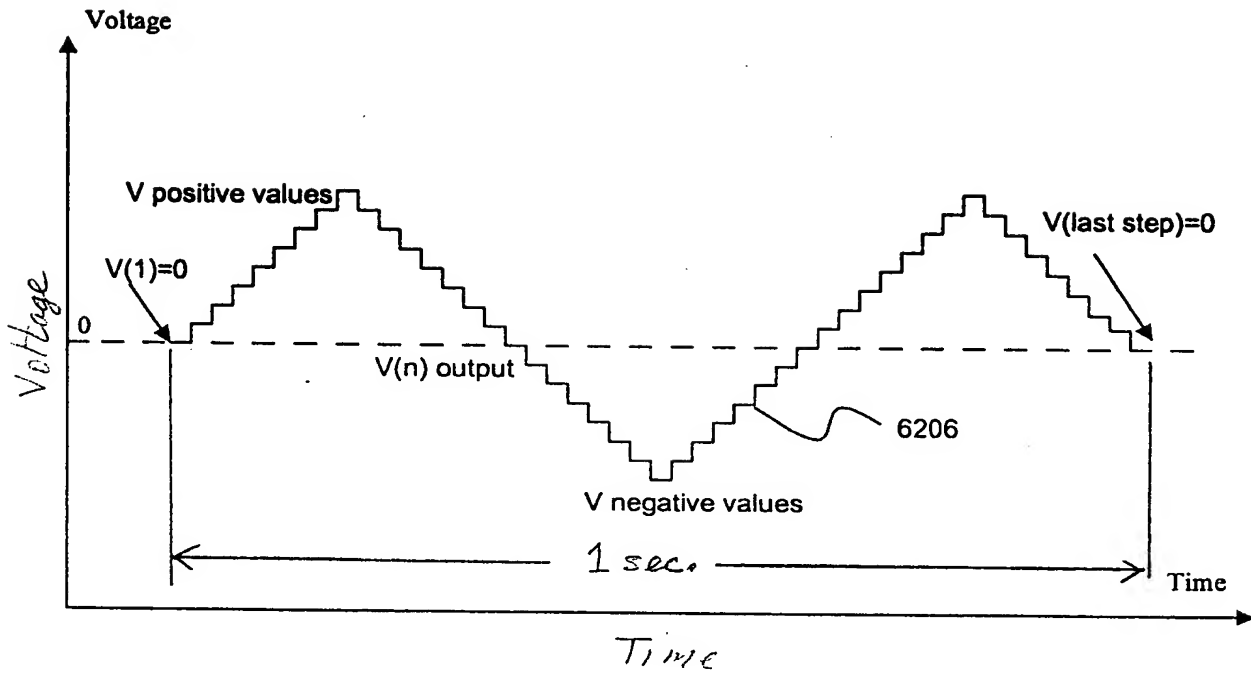


FIG. 23

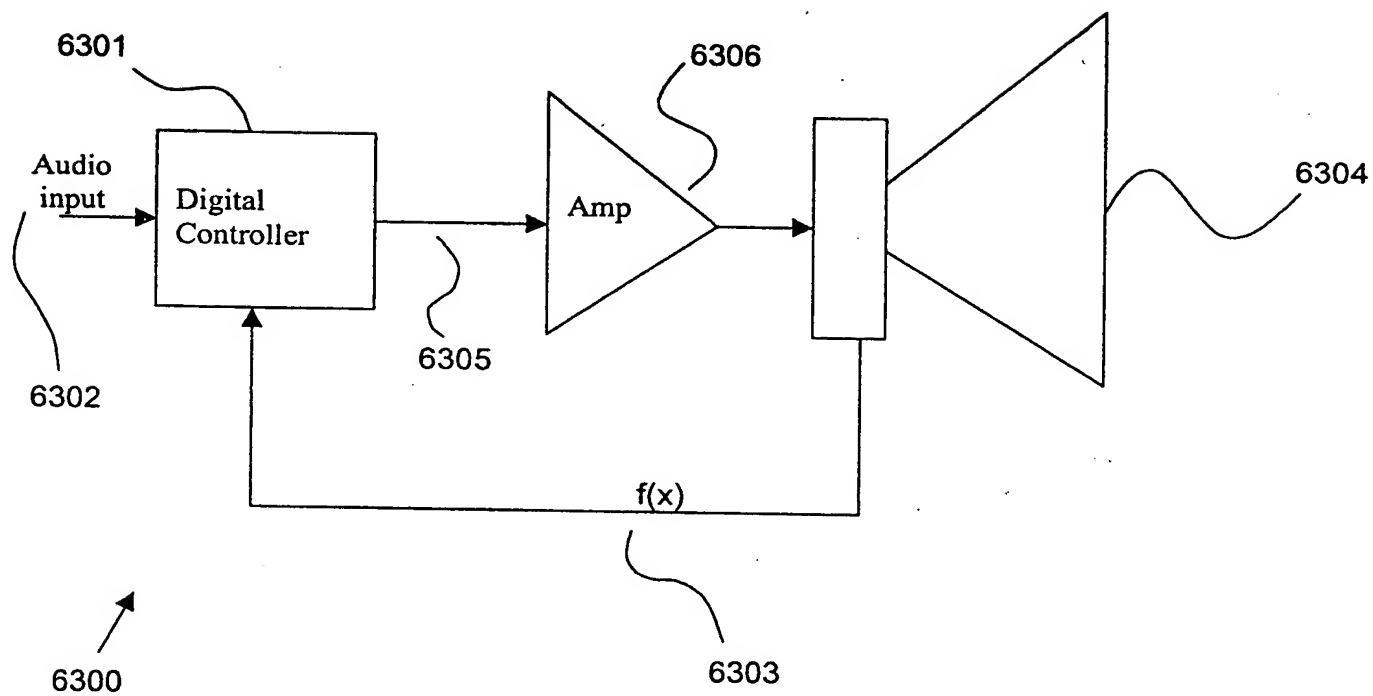


FIG. 24

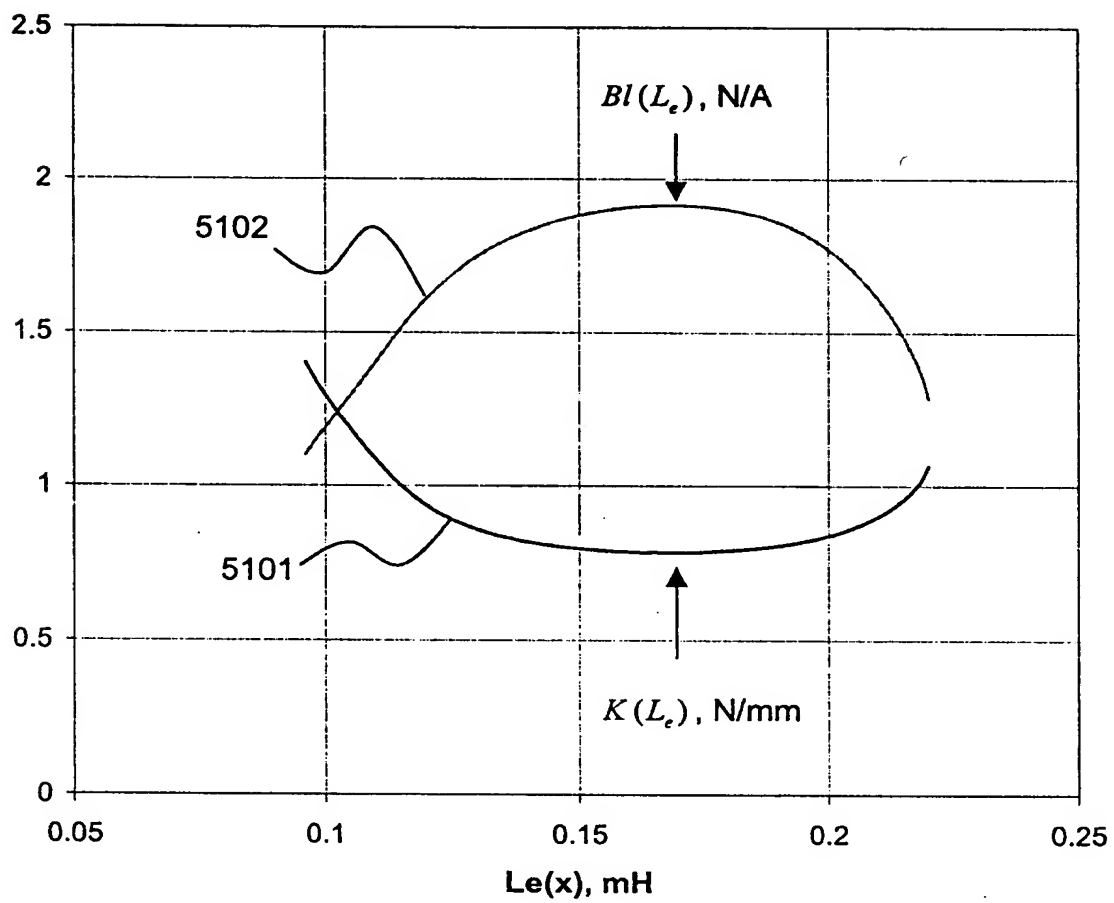


FIG. 25

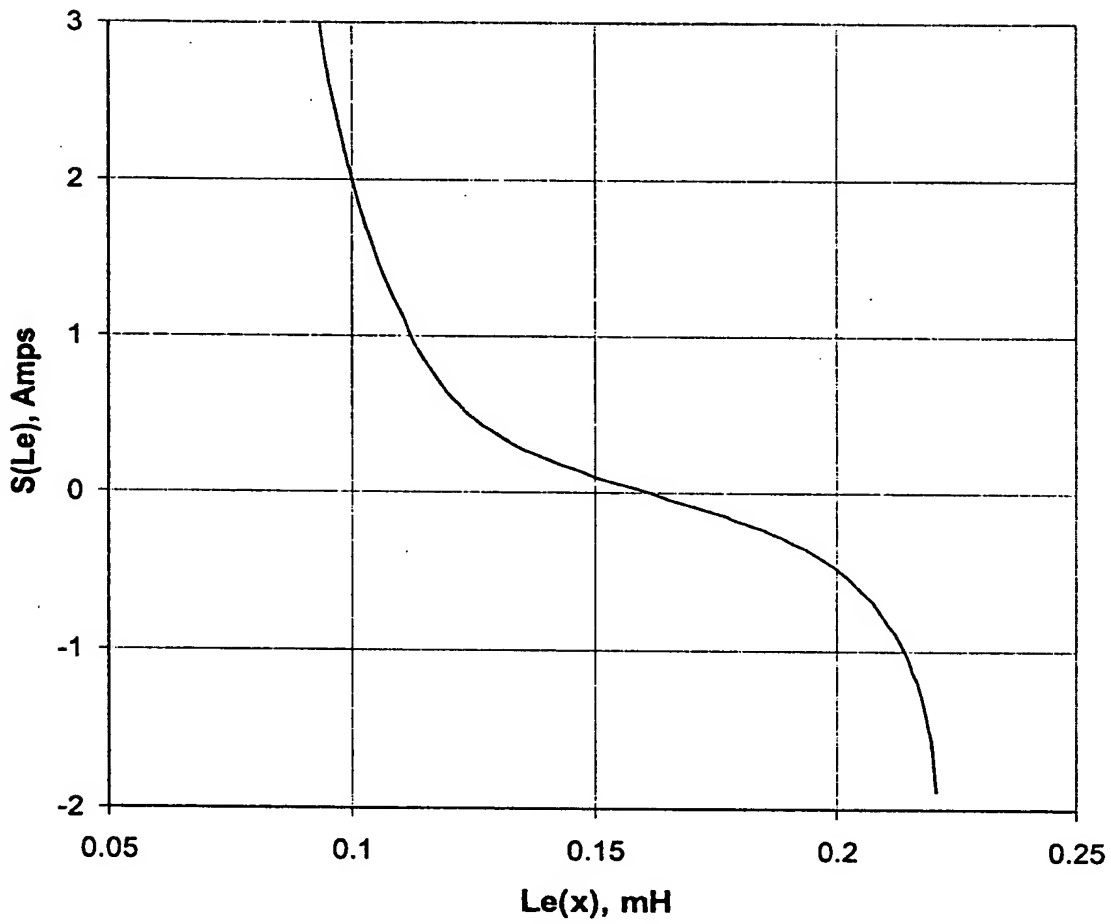


FIG. 26

L_e vs. Coil Displacement at 43 kHz

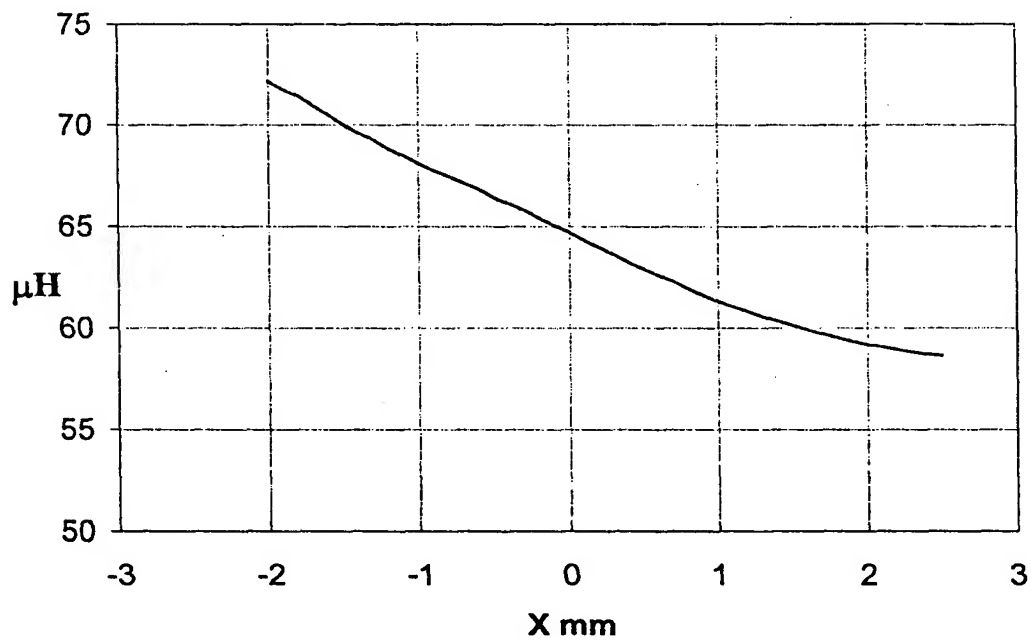


FIG. 27

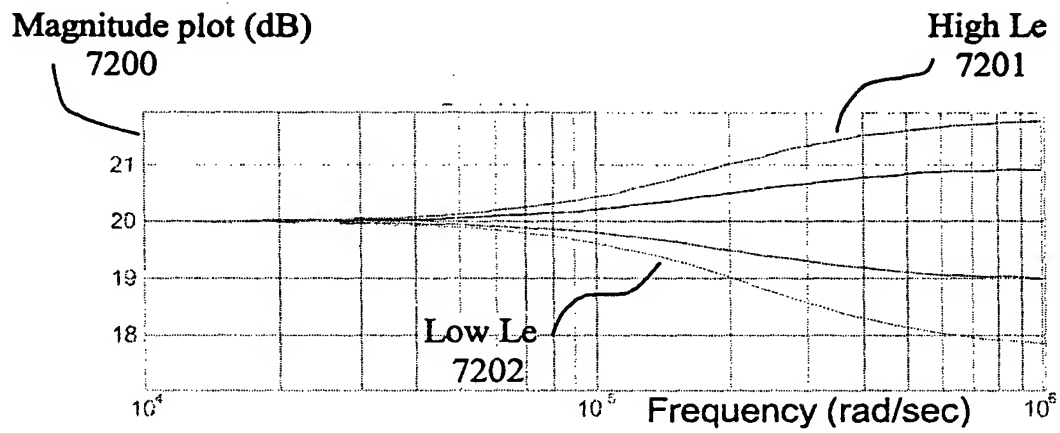


FIG. 28

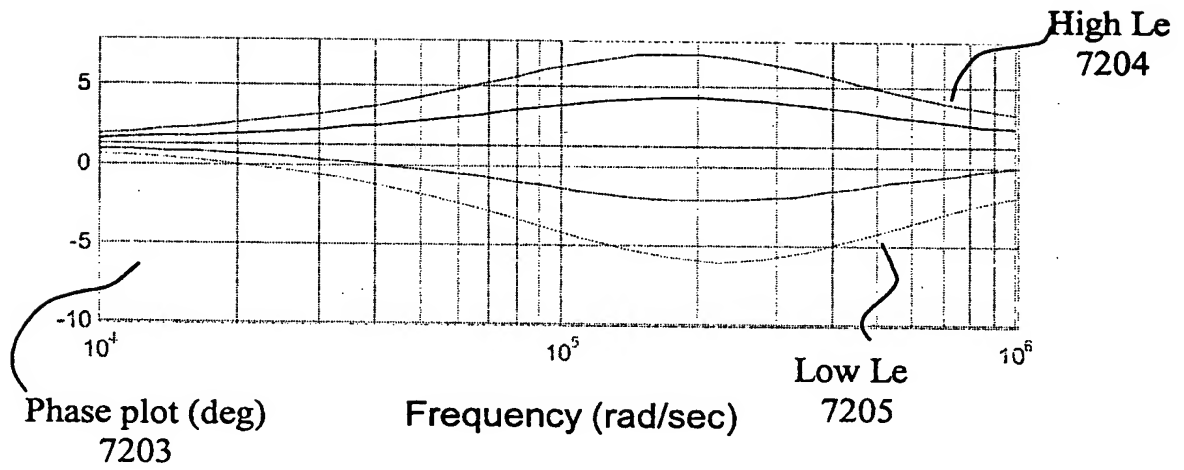


FIG. 29

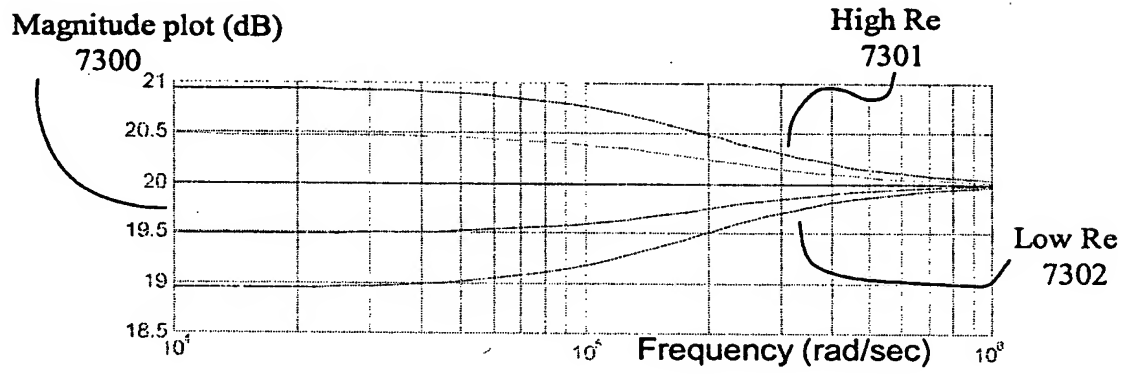


FIG. 30

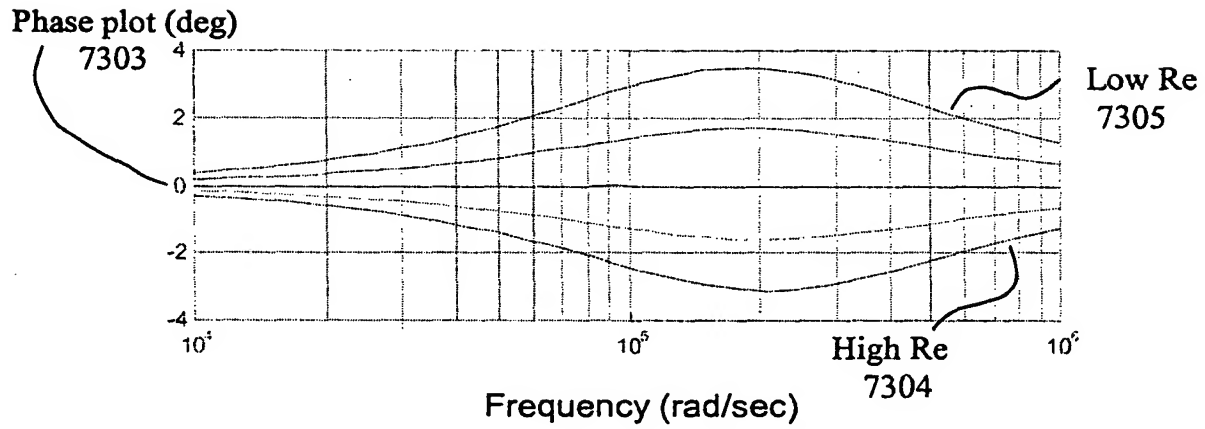


FIG. 31

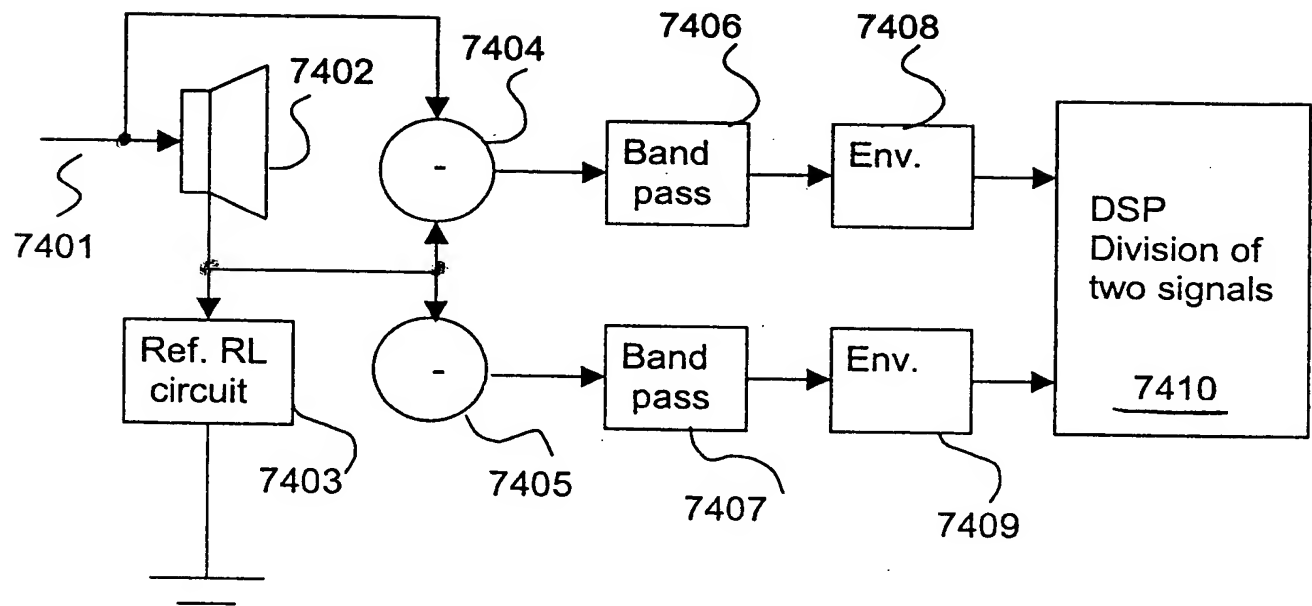


FIG. 32

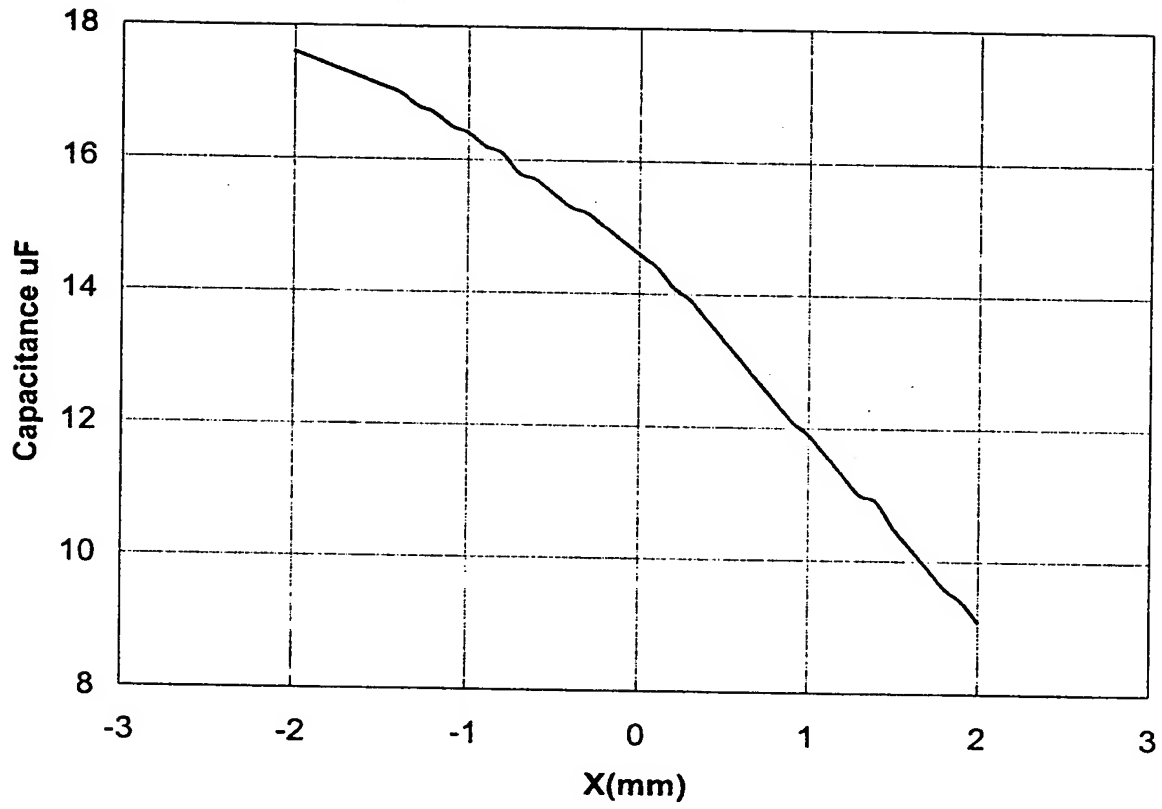


FIG. 33

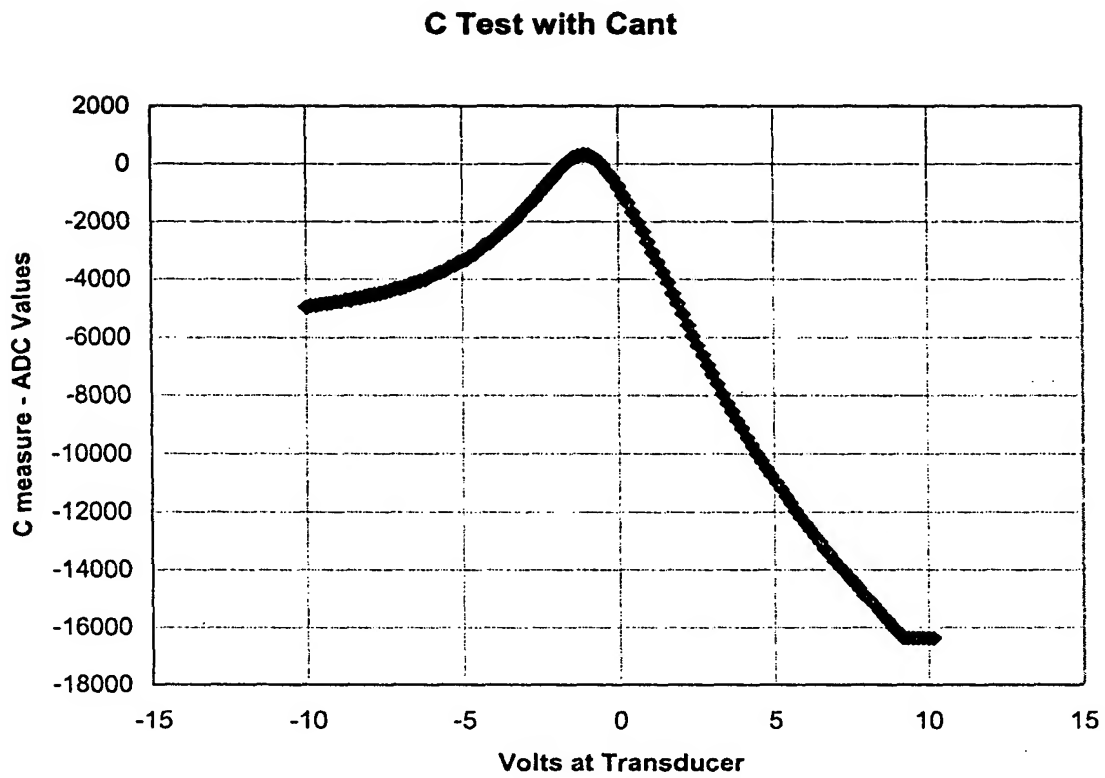


FIG. 34

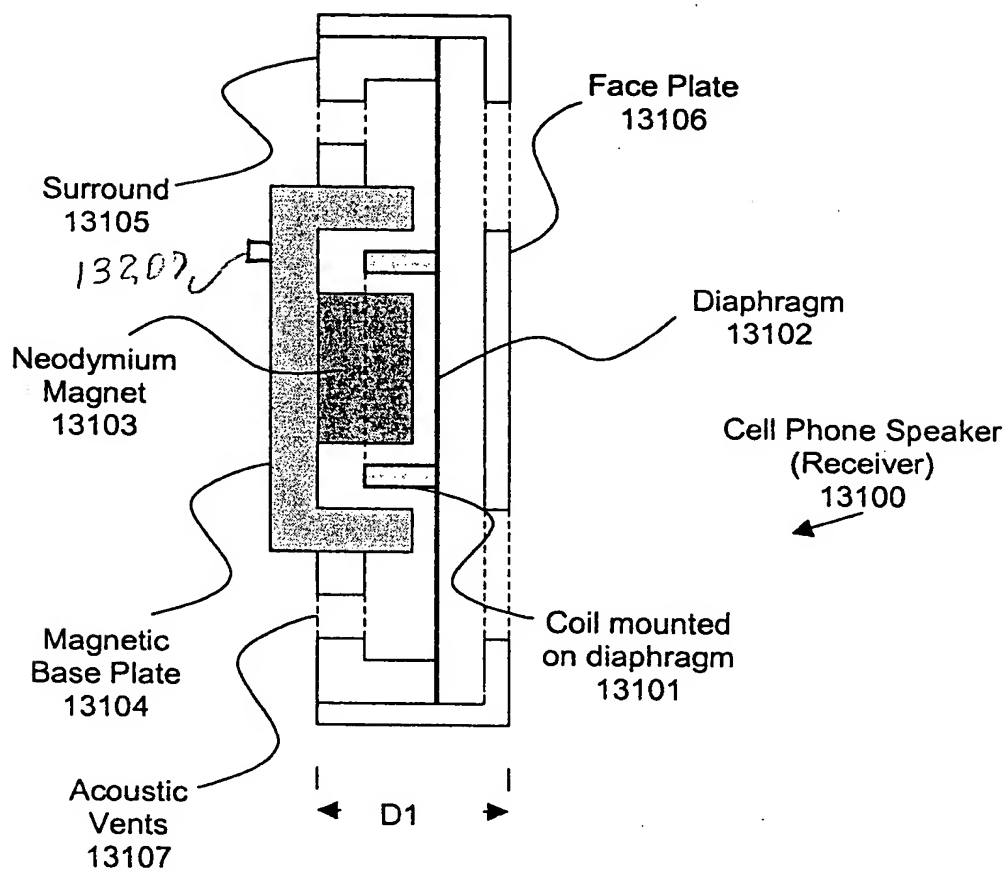


FIG. 35

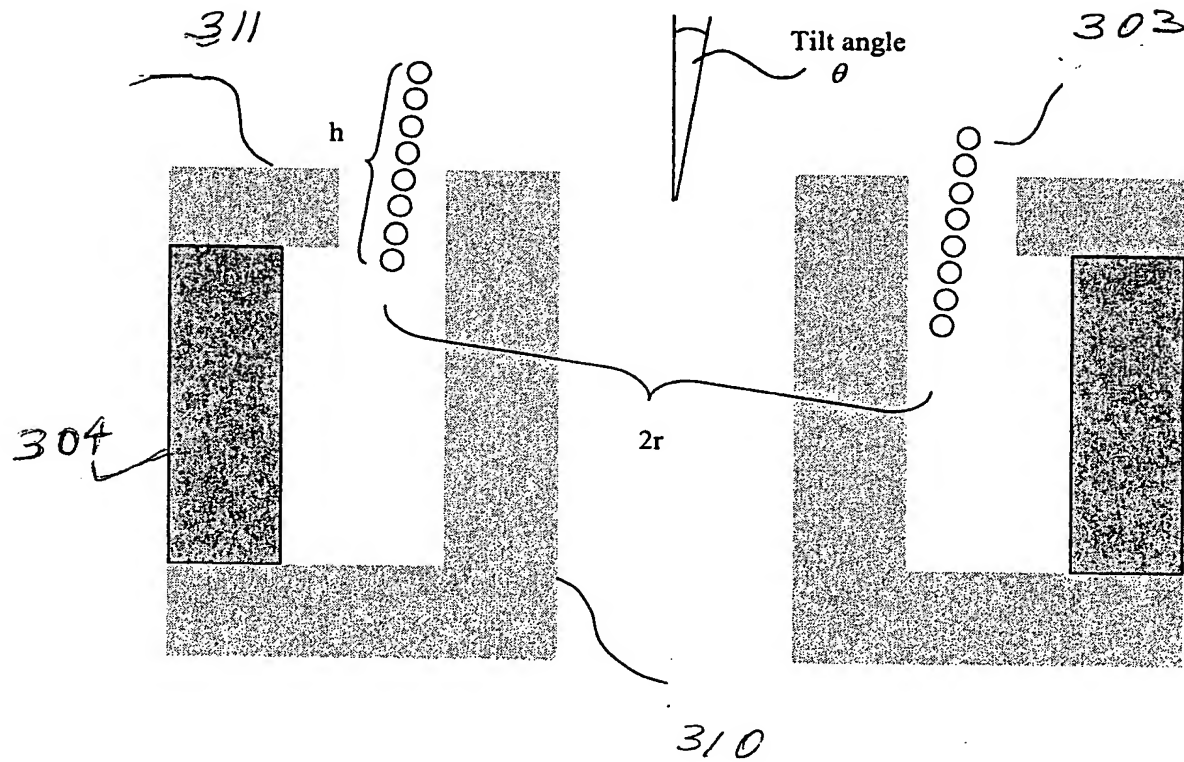


FIG. 36

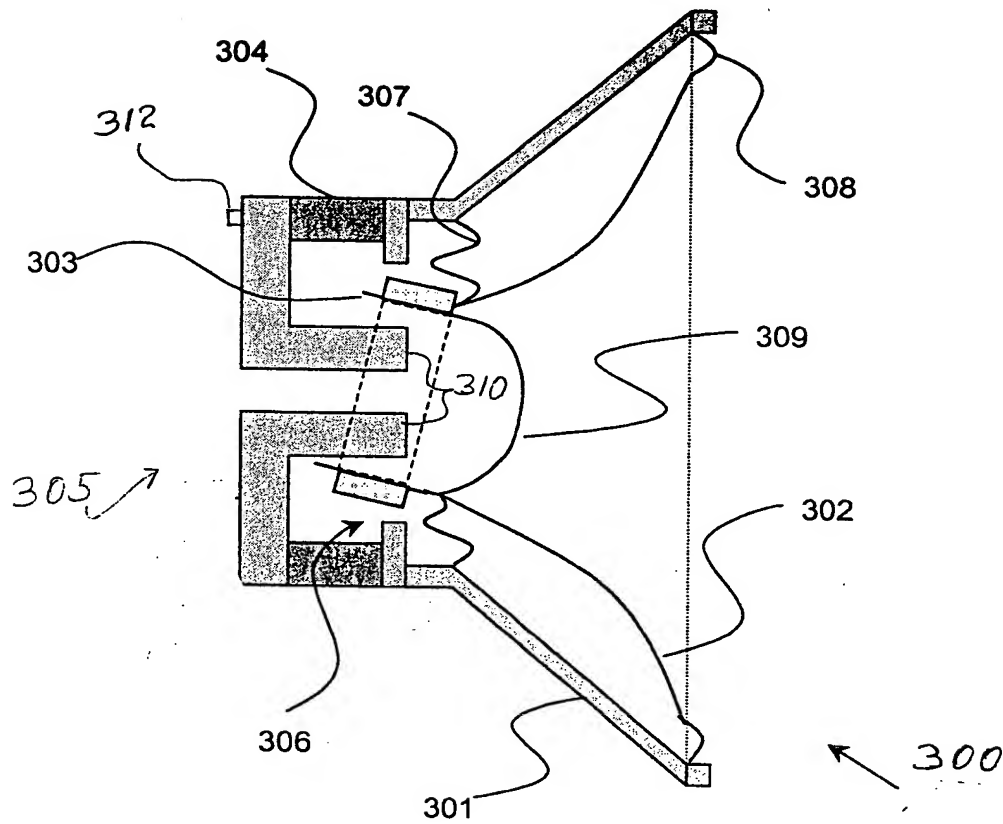
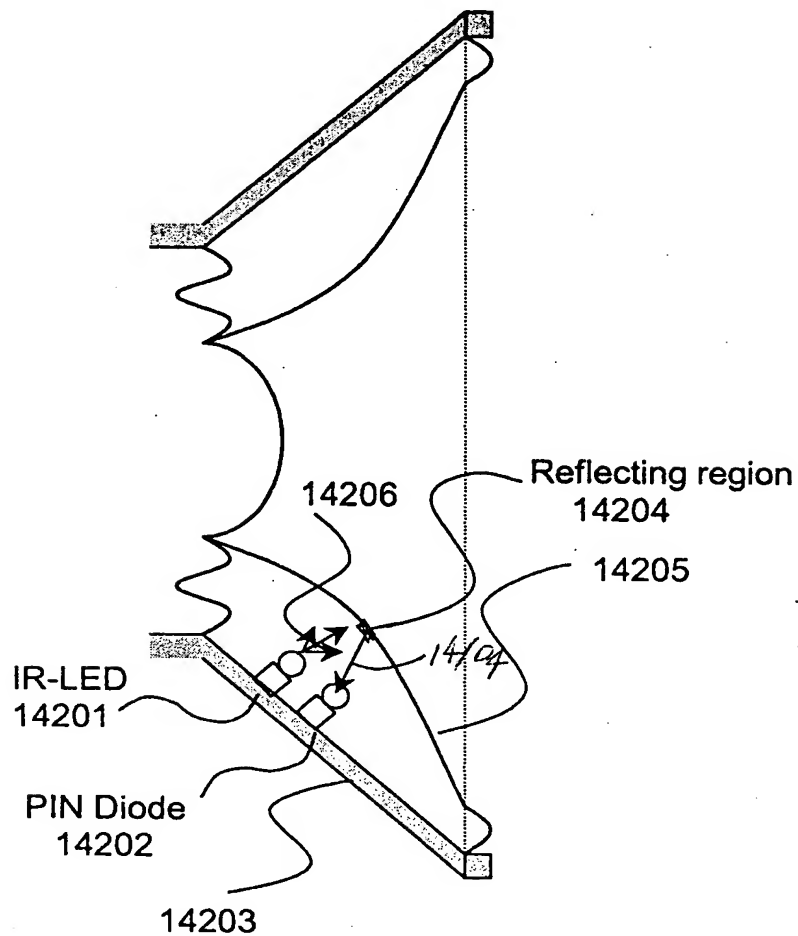


FIG. 37



14200 ↗

FIG. 38

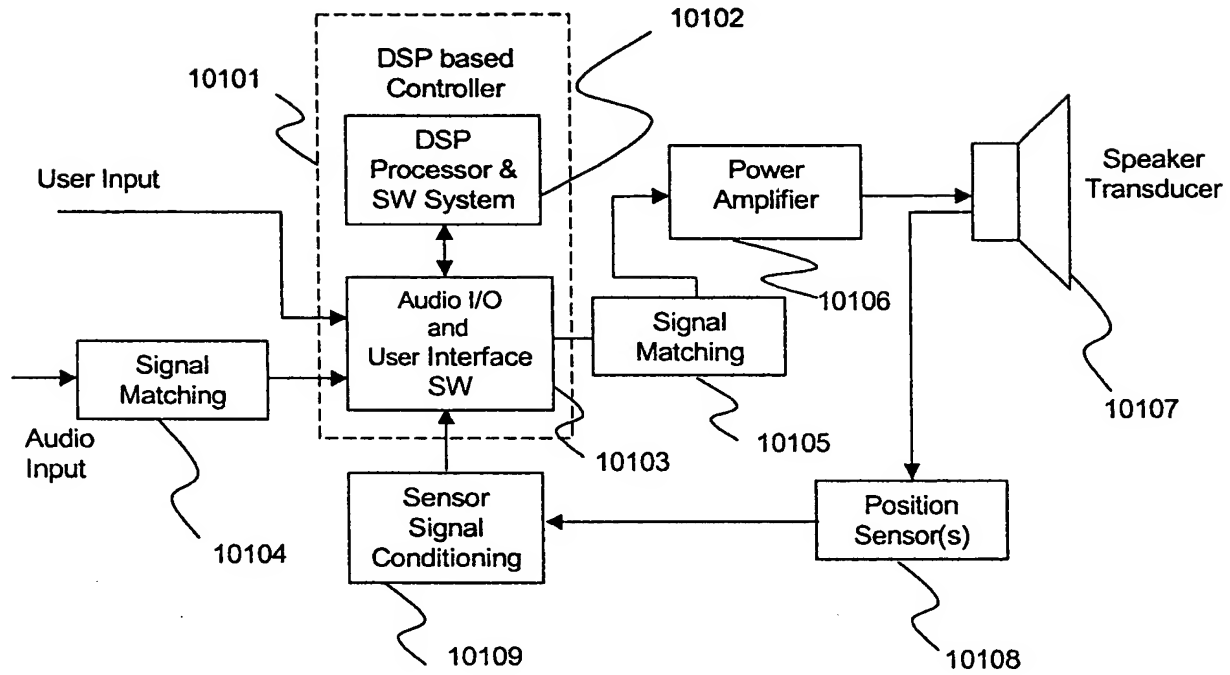


FIG. 39

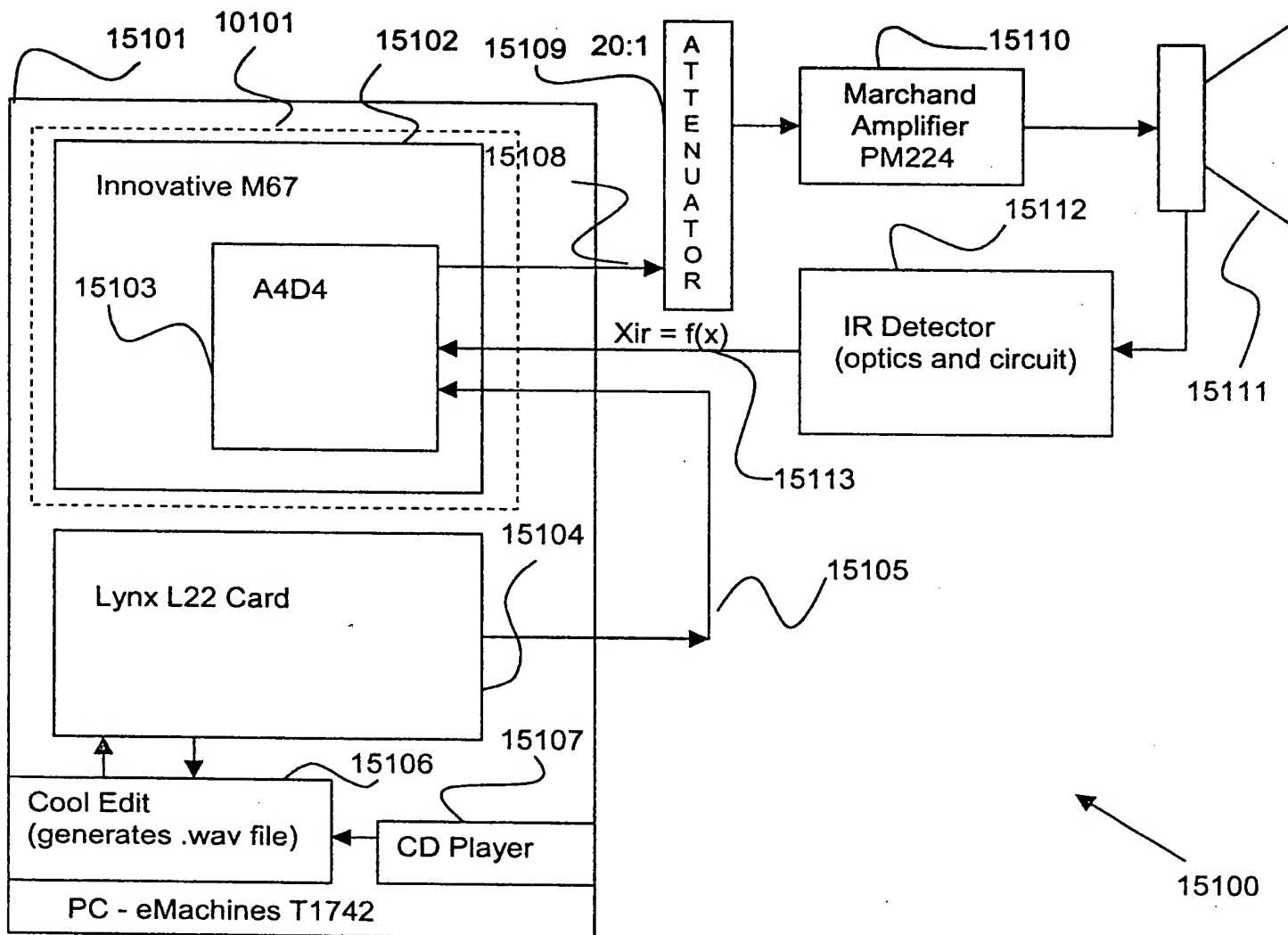
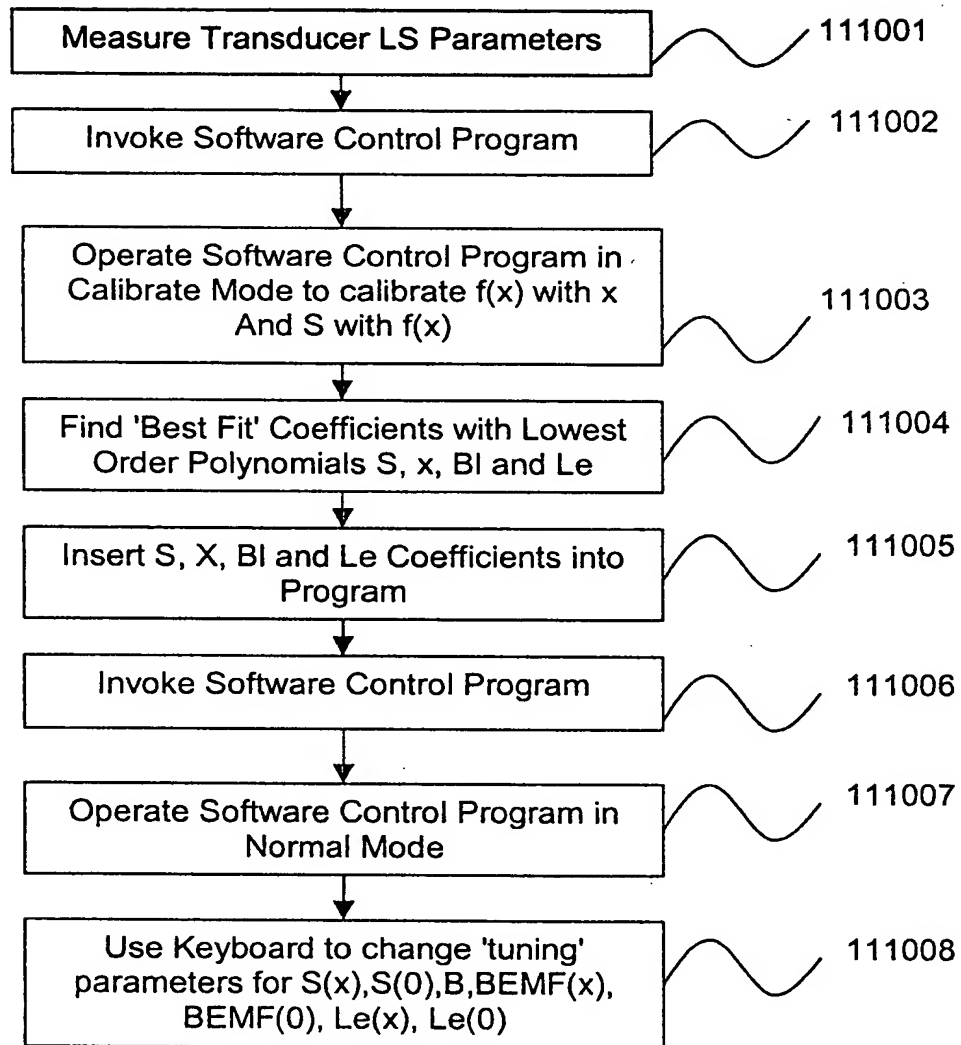
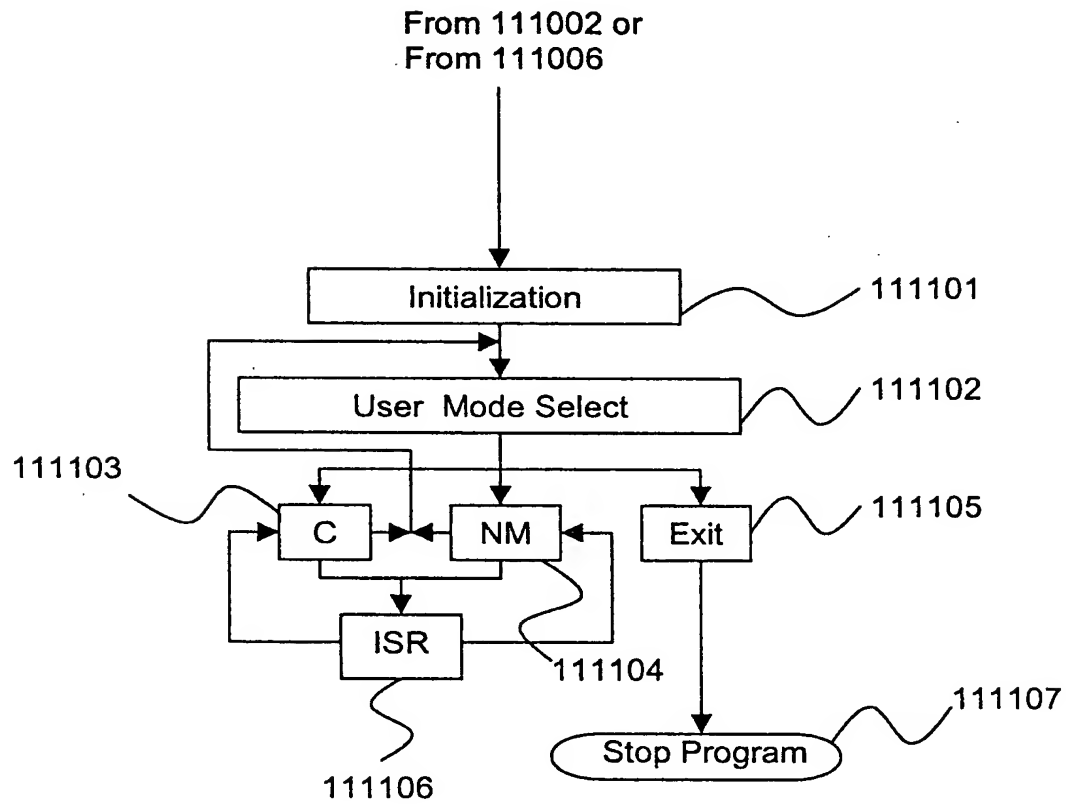


FIG. 40



LS = Large Signal

FIG. 41



NM: Normal Mode
C: Calibration mode

FIG. 42

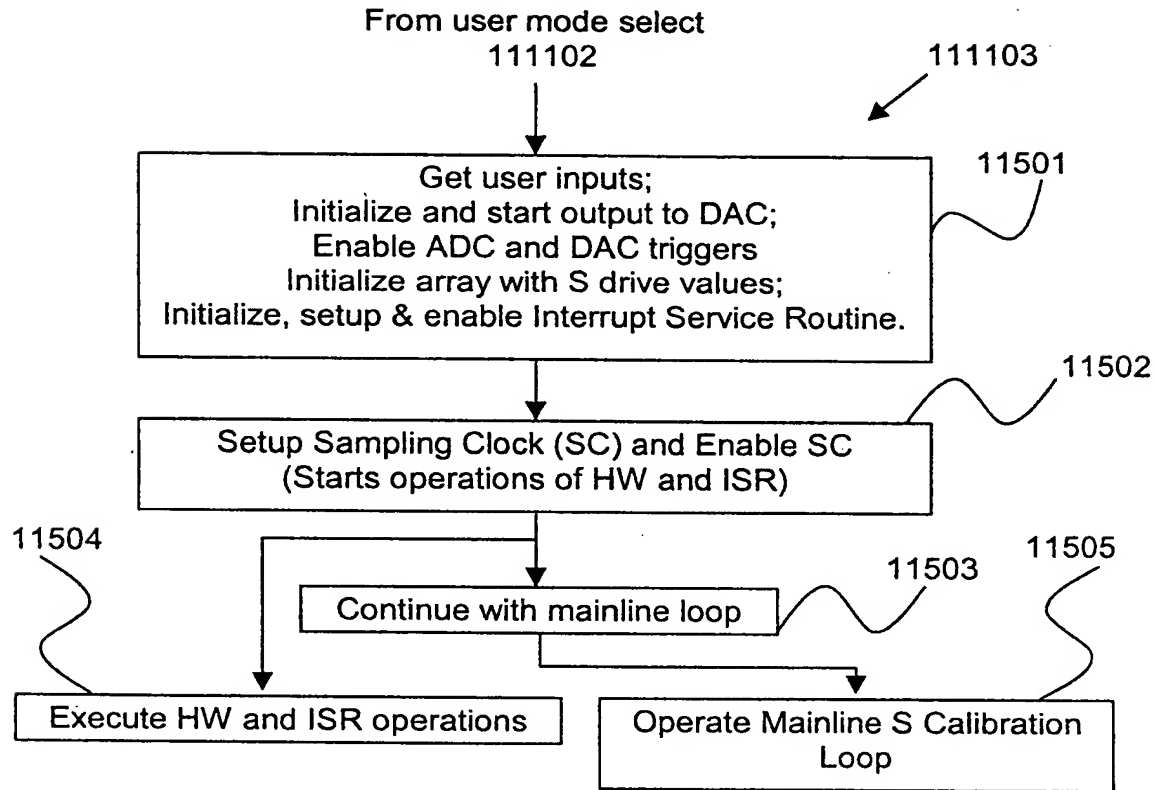


FIG. 43

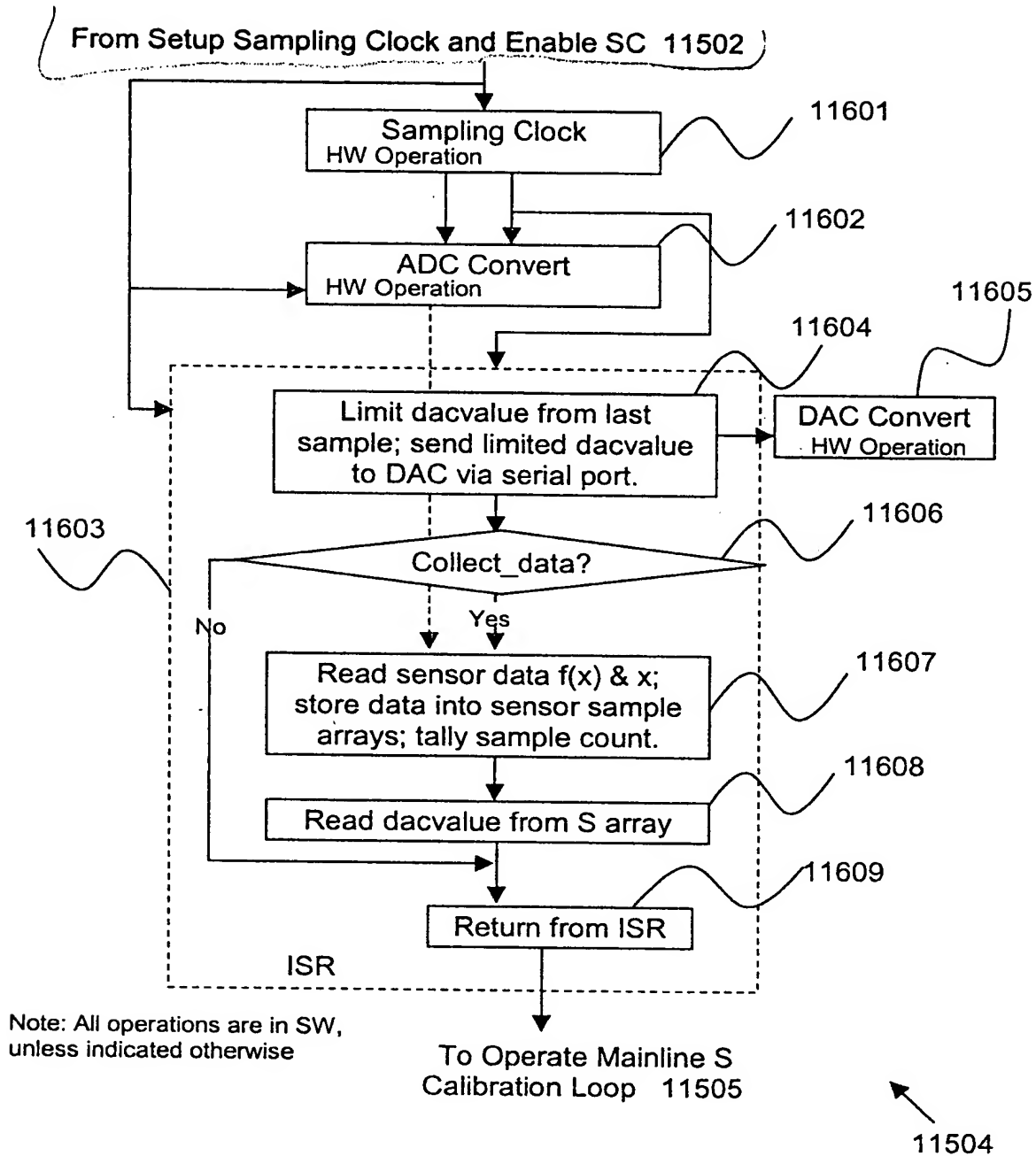
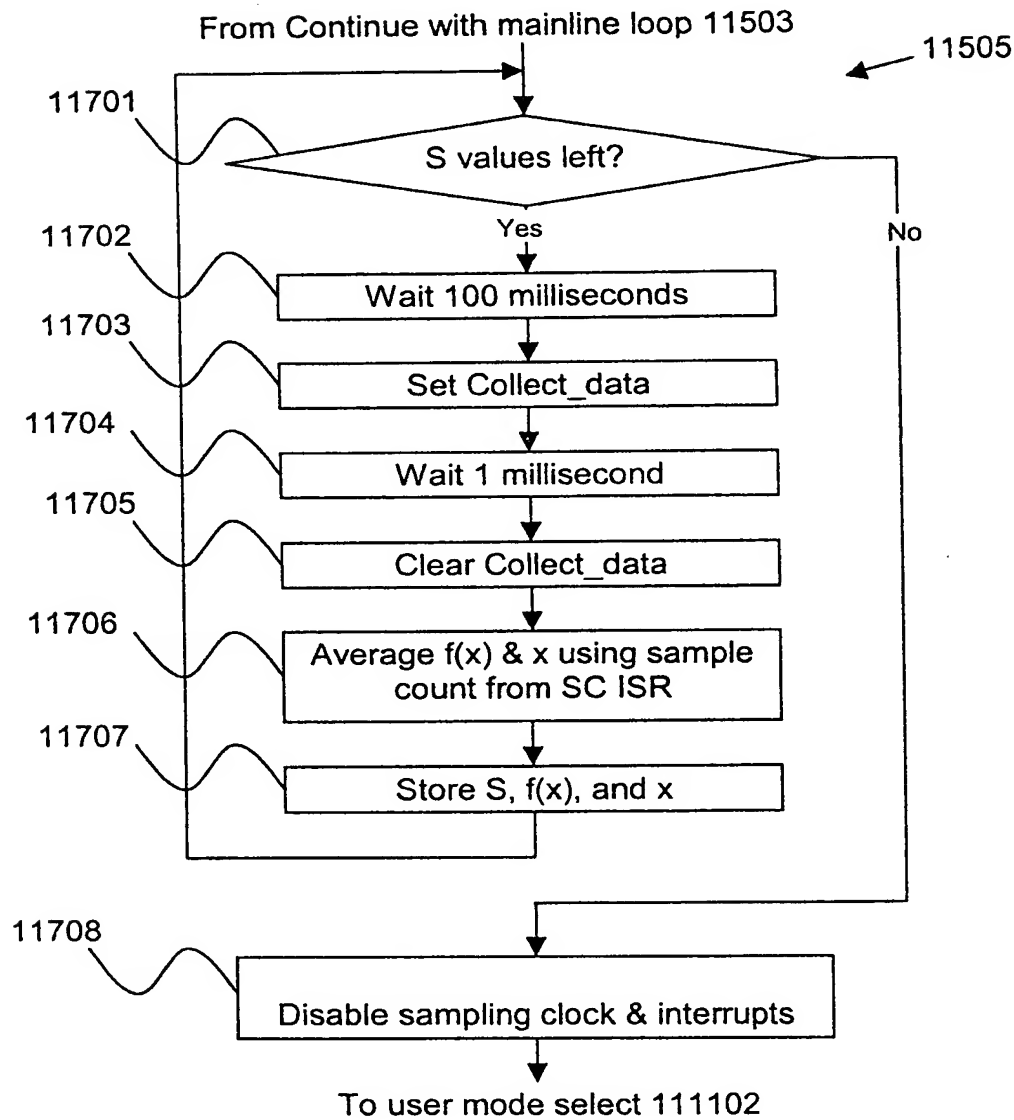


FIG. 44



All operations are in SW

FIG. 45

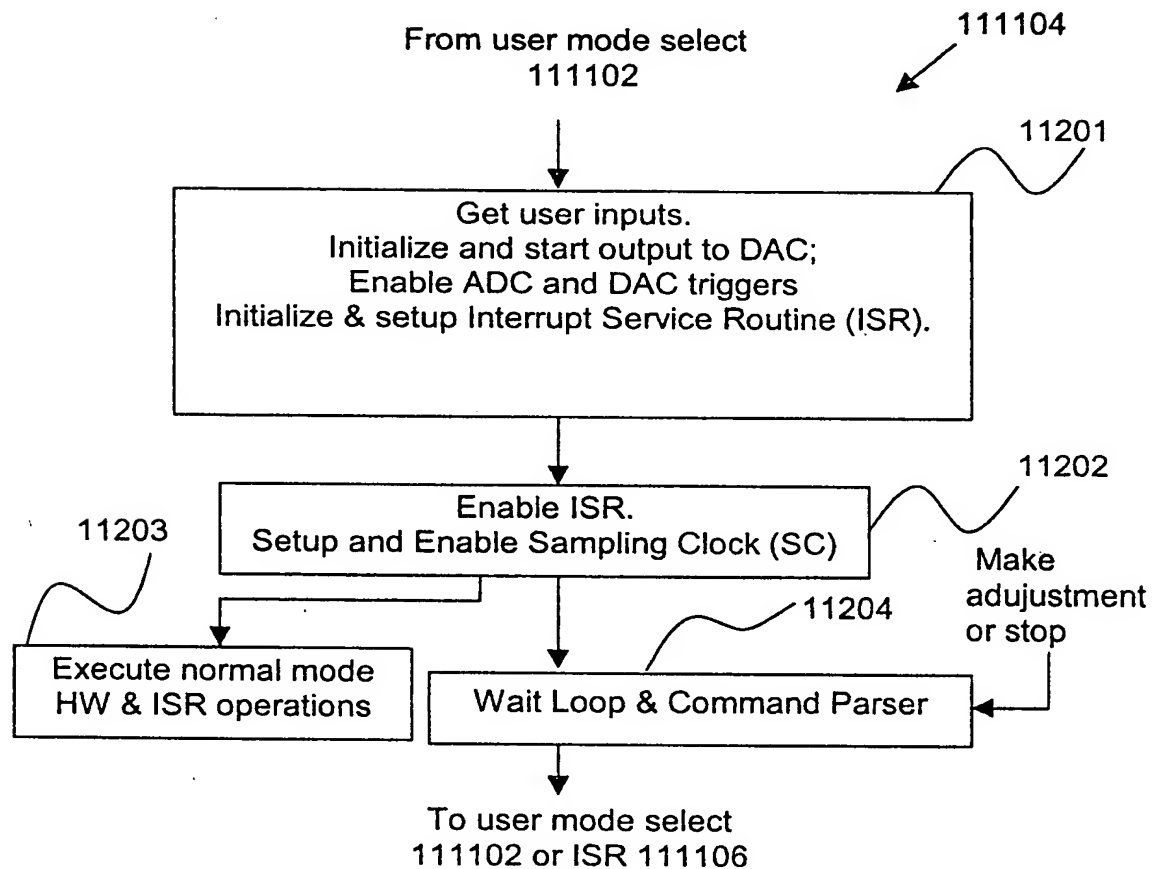


FIG. 46

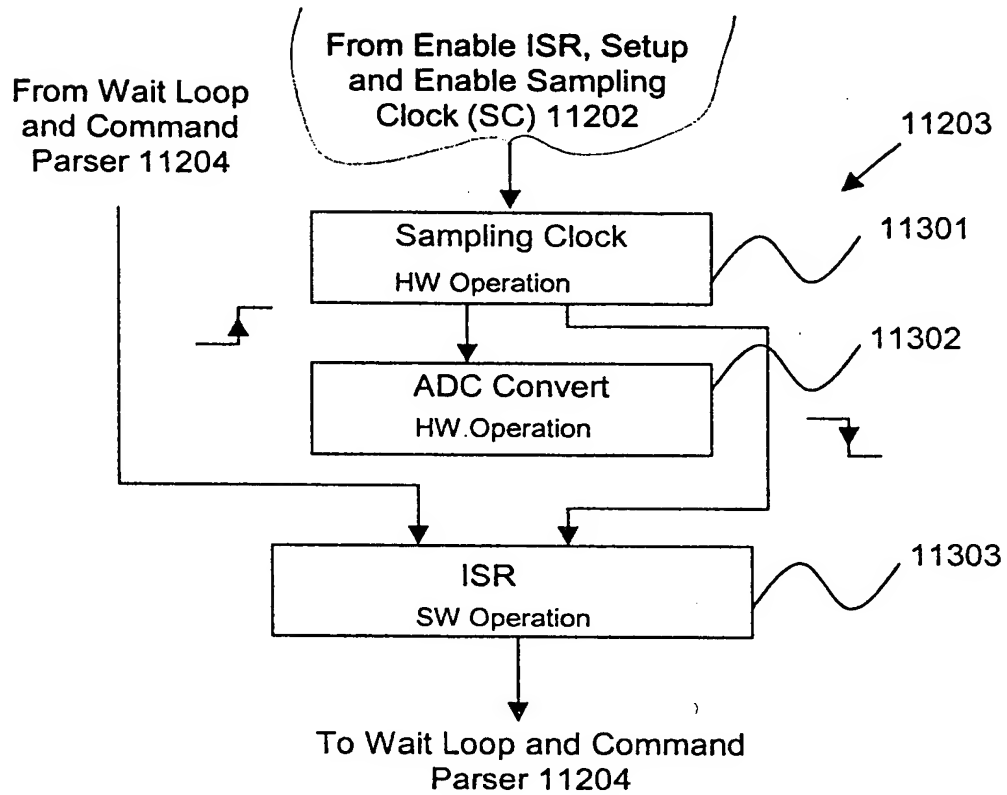


FIG. 47

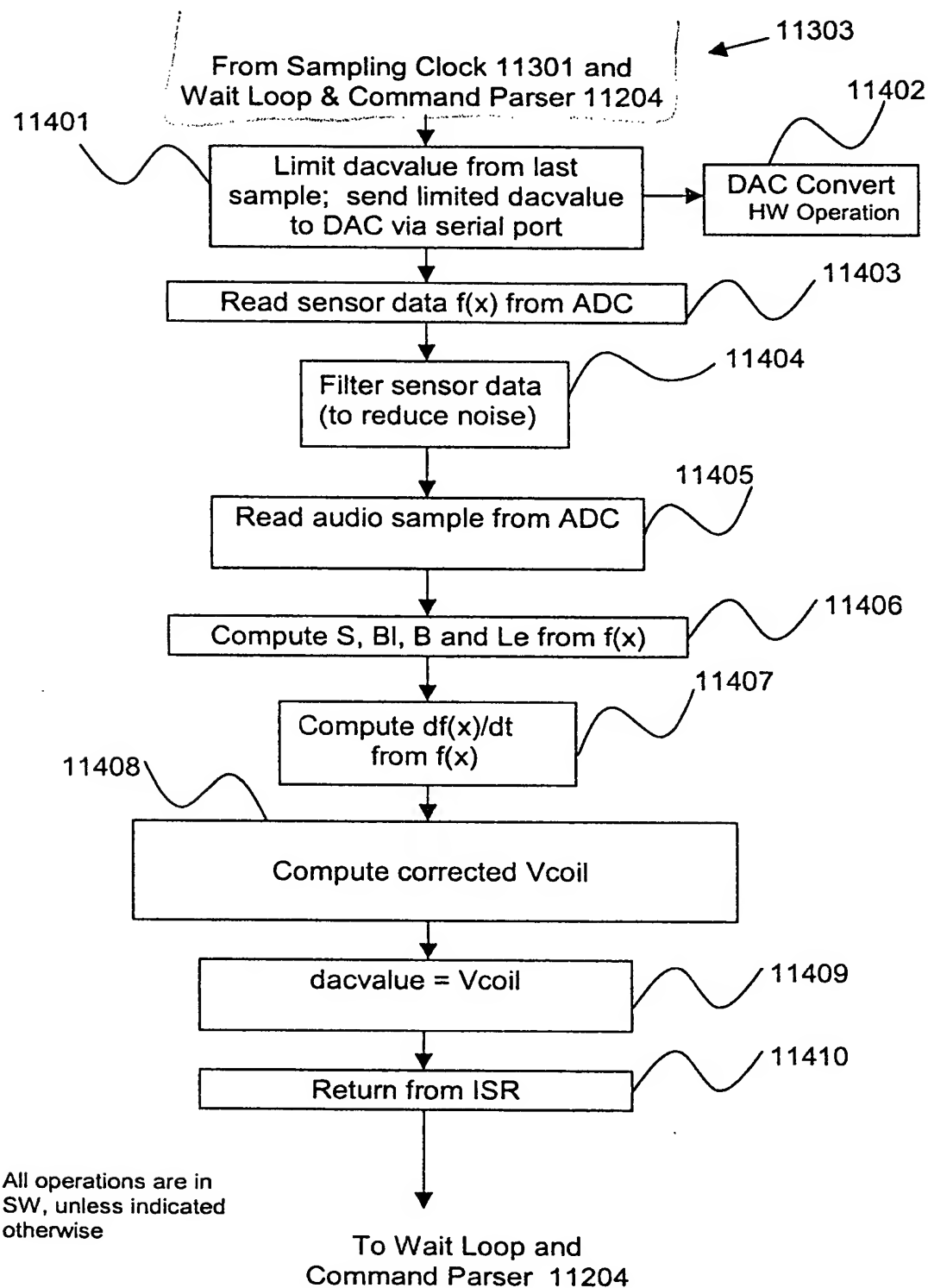


FIG. 48

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From Enable ISR Setup and
 Enable Sampling Clock (SC)
 11202

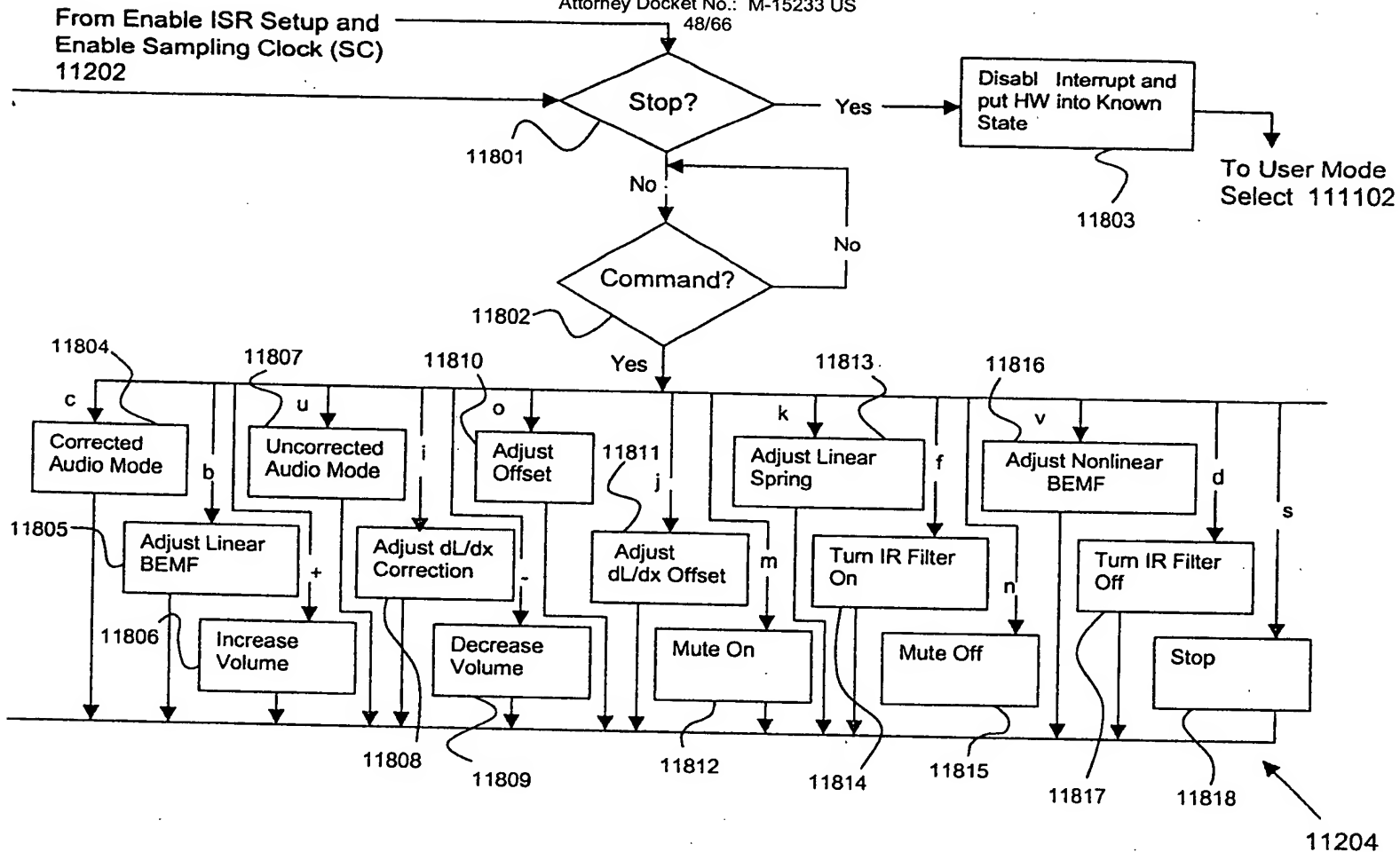


FIG. 49

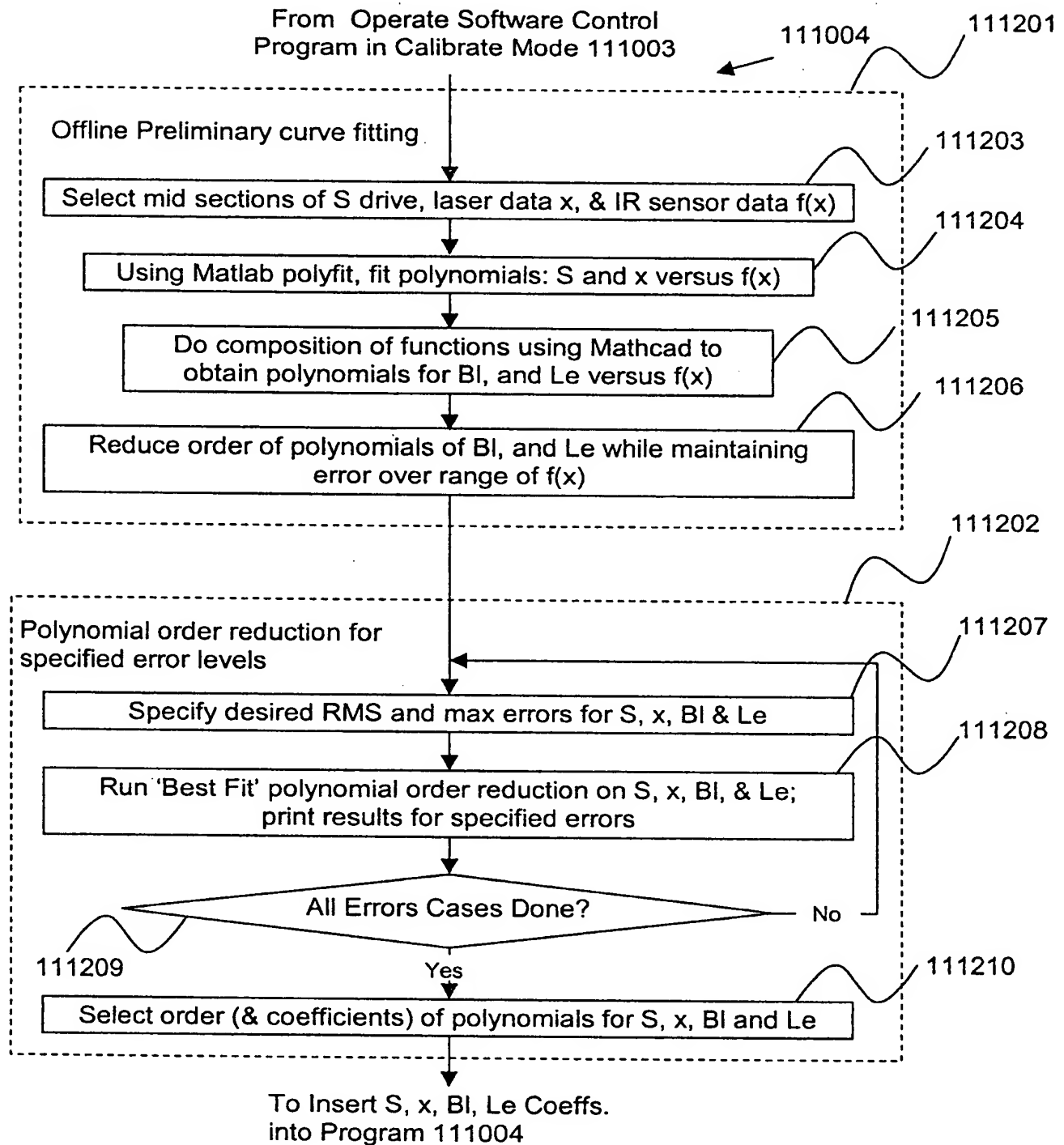


FIG. 50

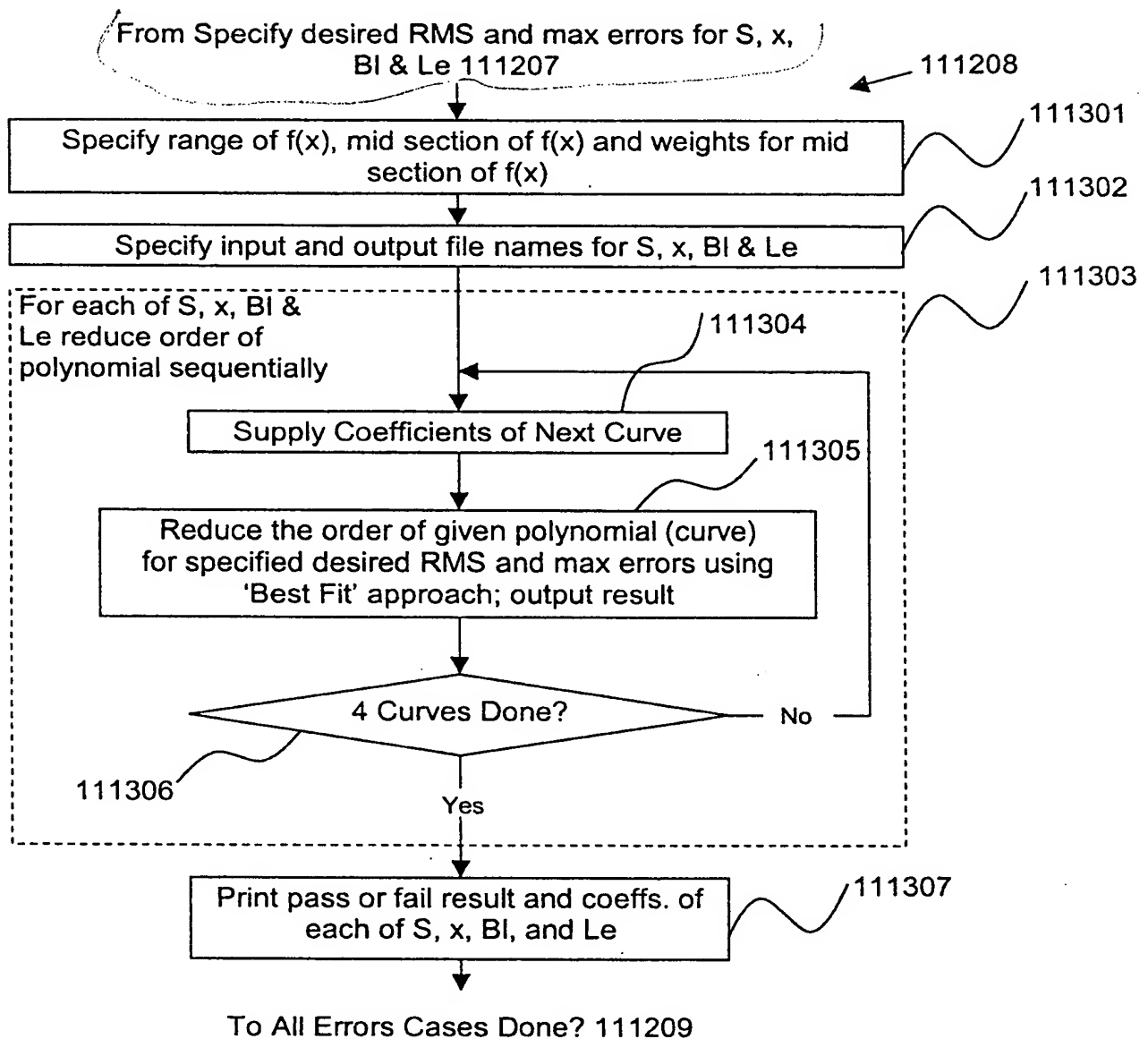


FIG. 51

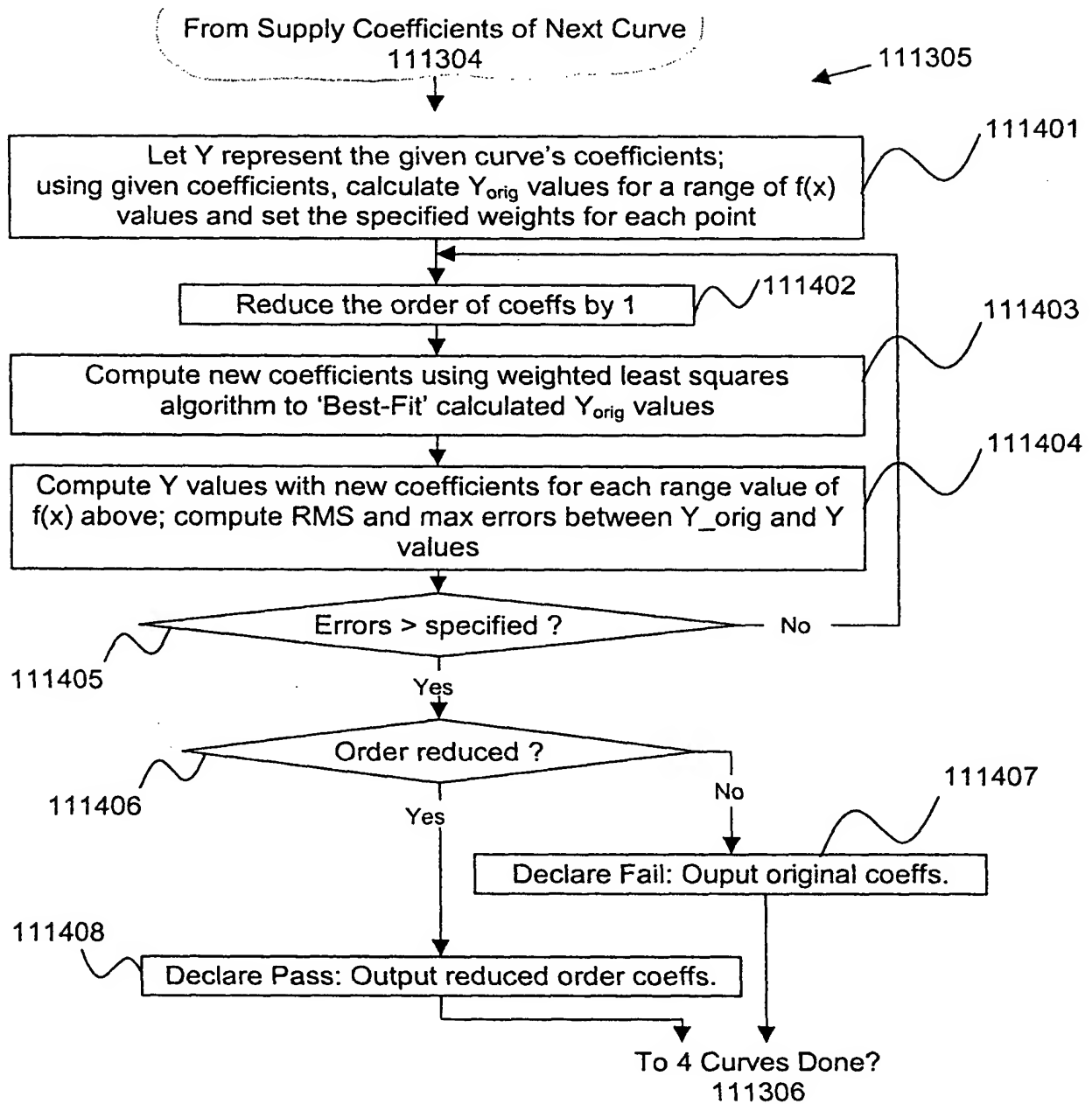


FIG. 52

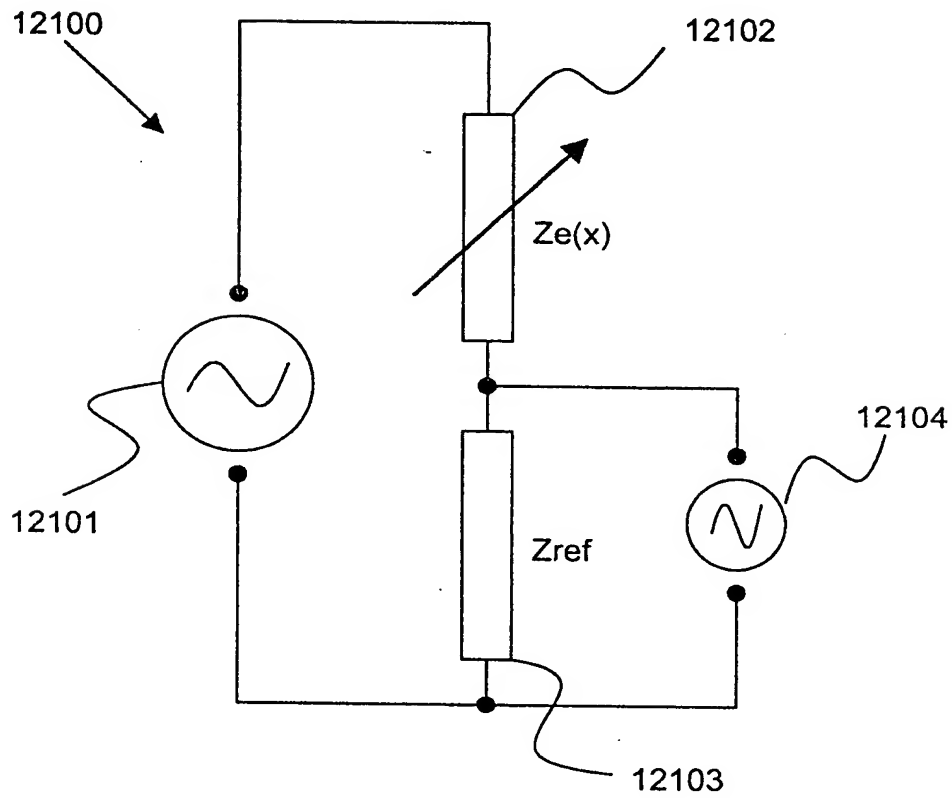


FIG. 53

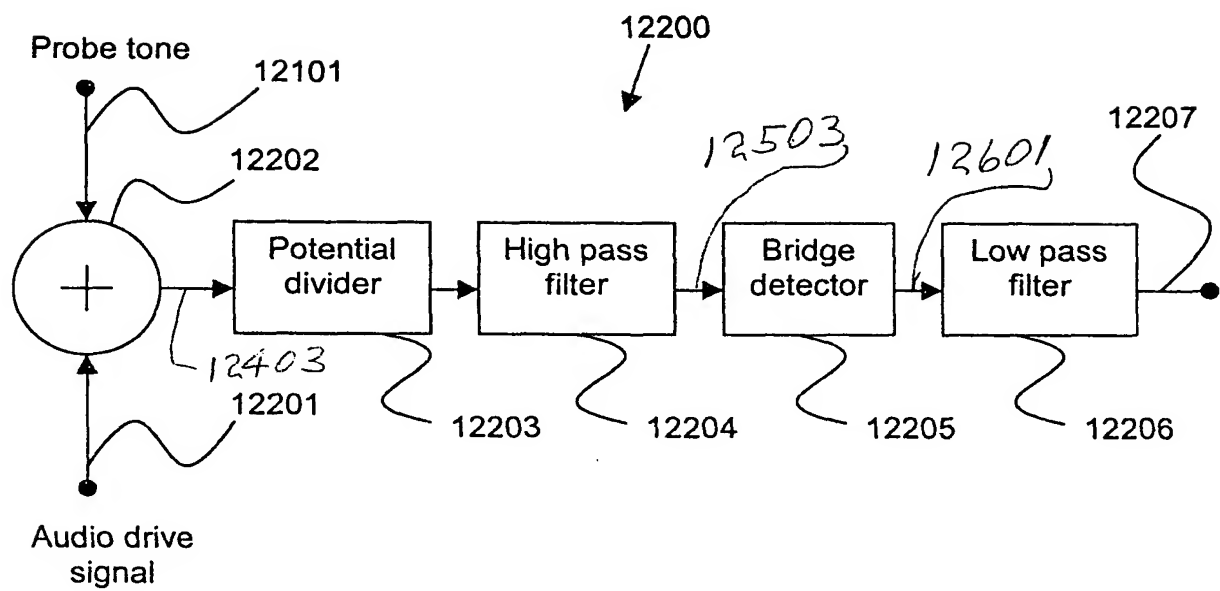


FIG. 54

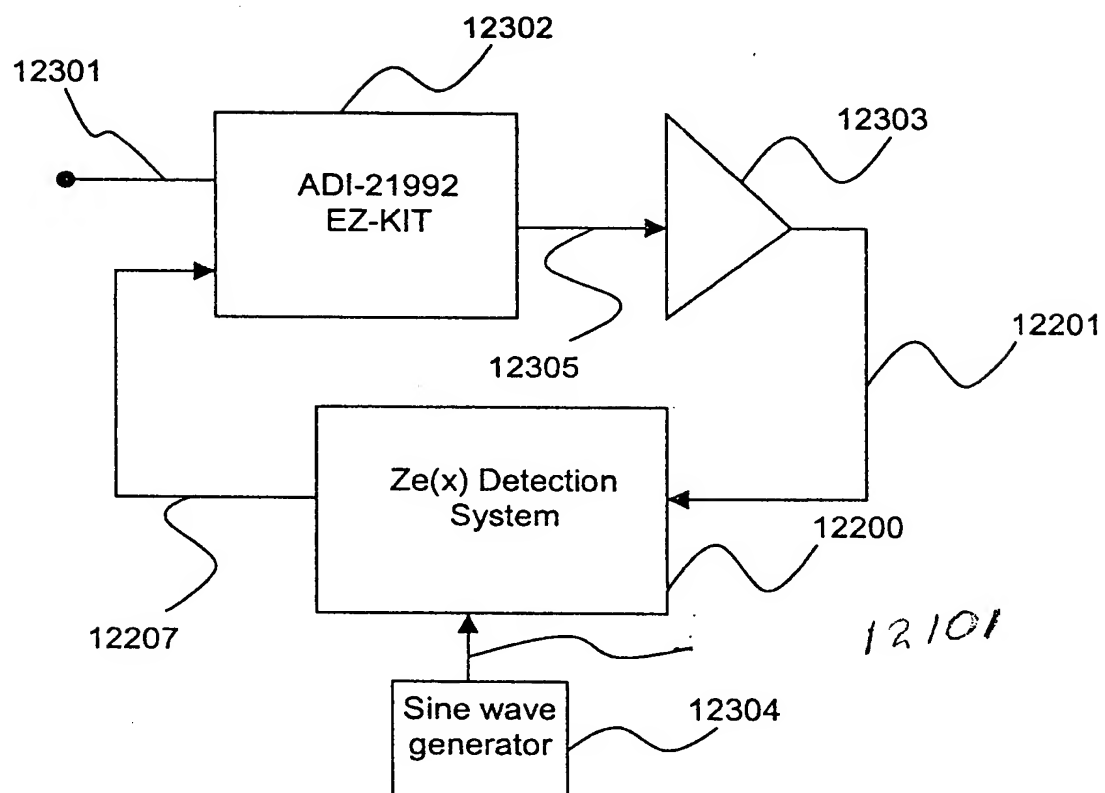


FIG. 55

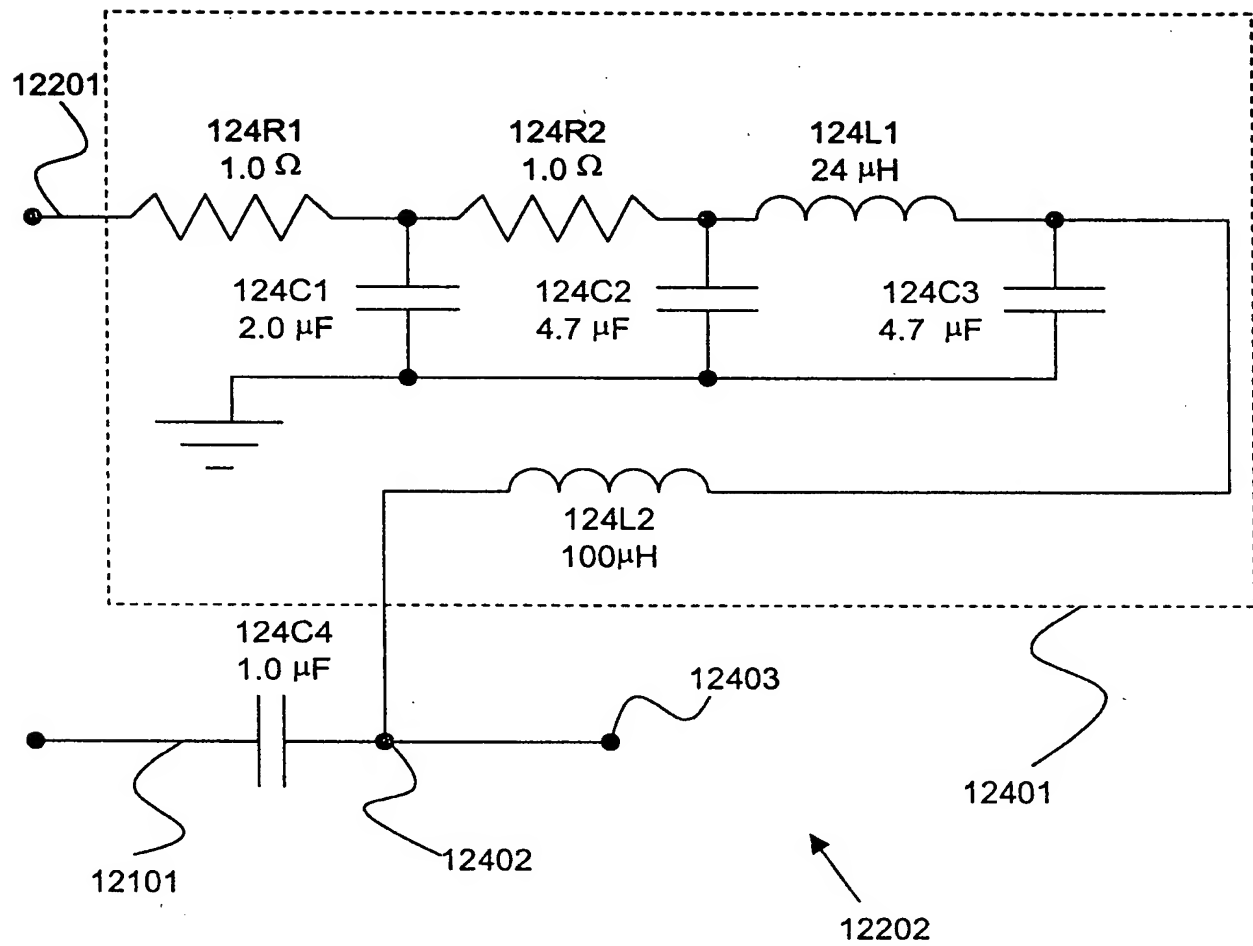
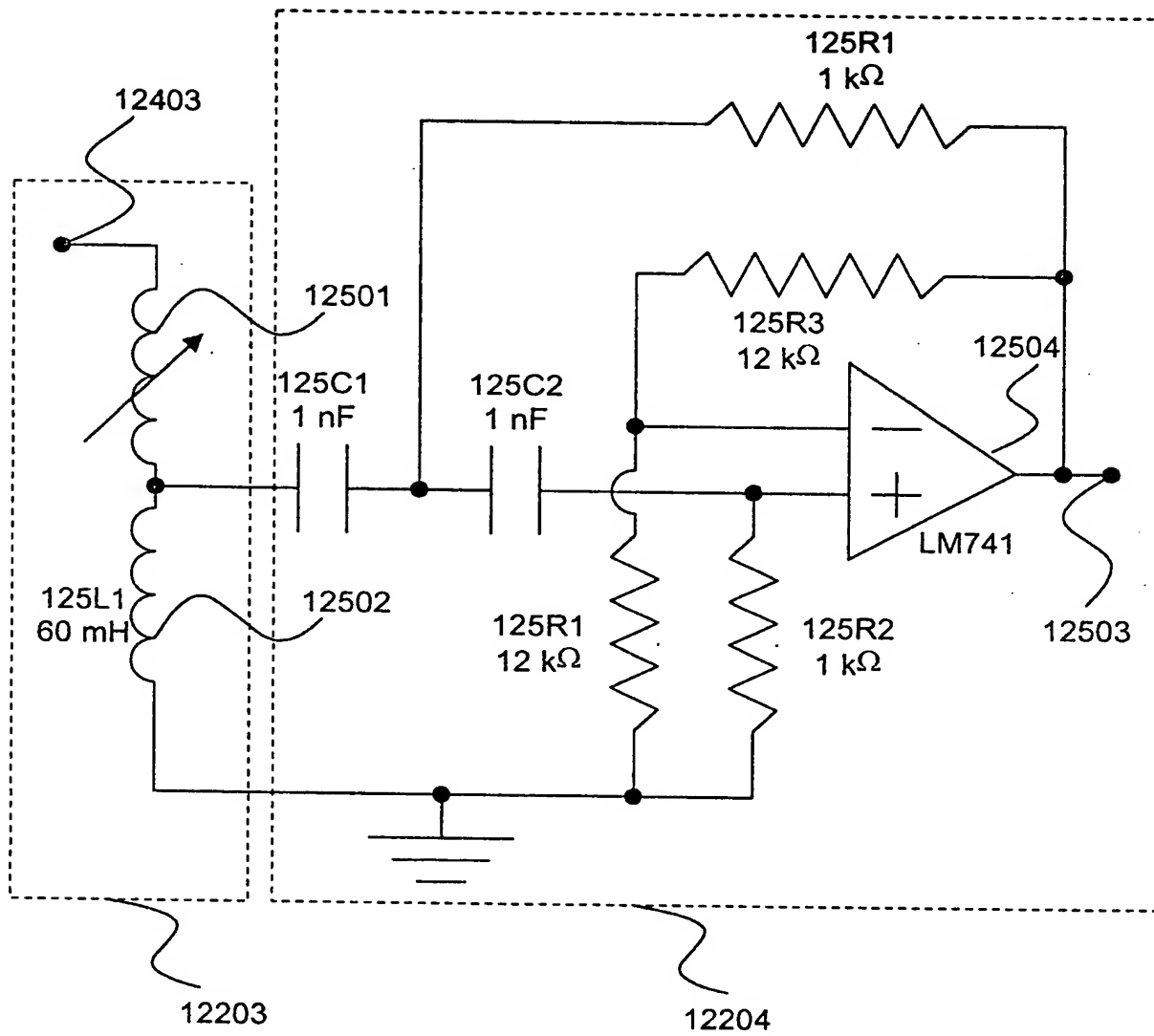


FIG. 56



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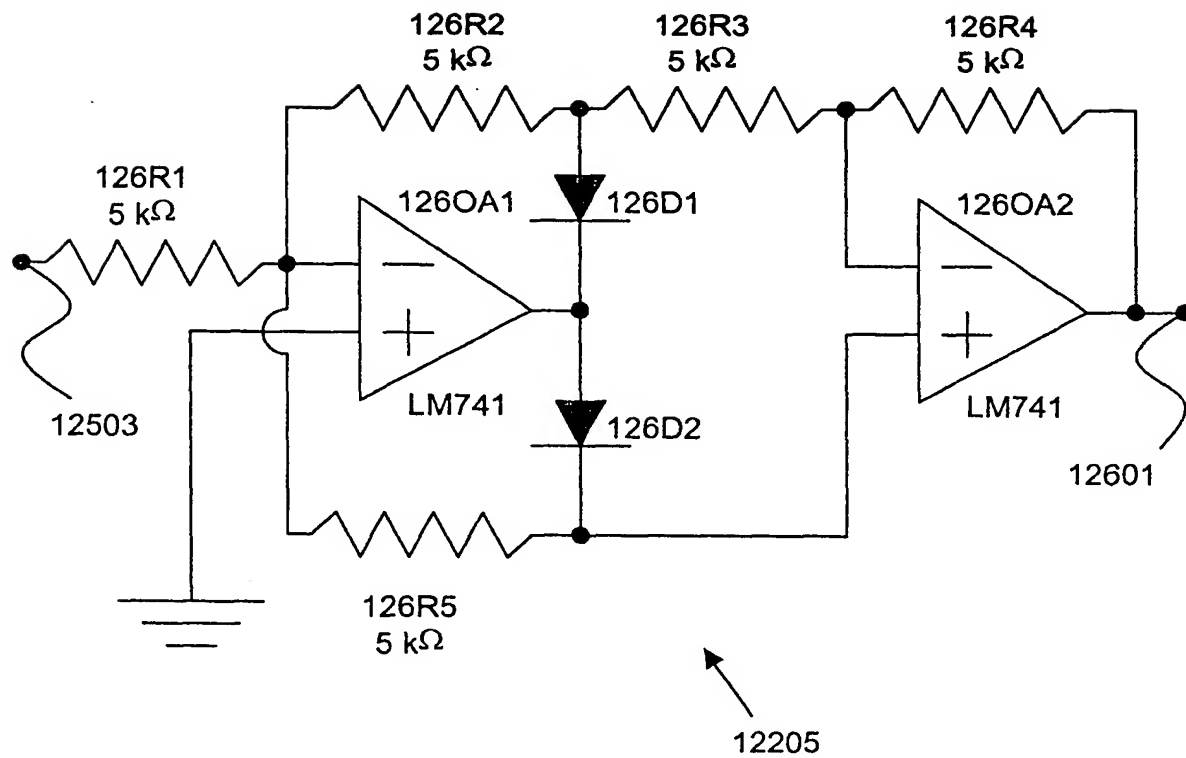


FIG. 58

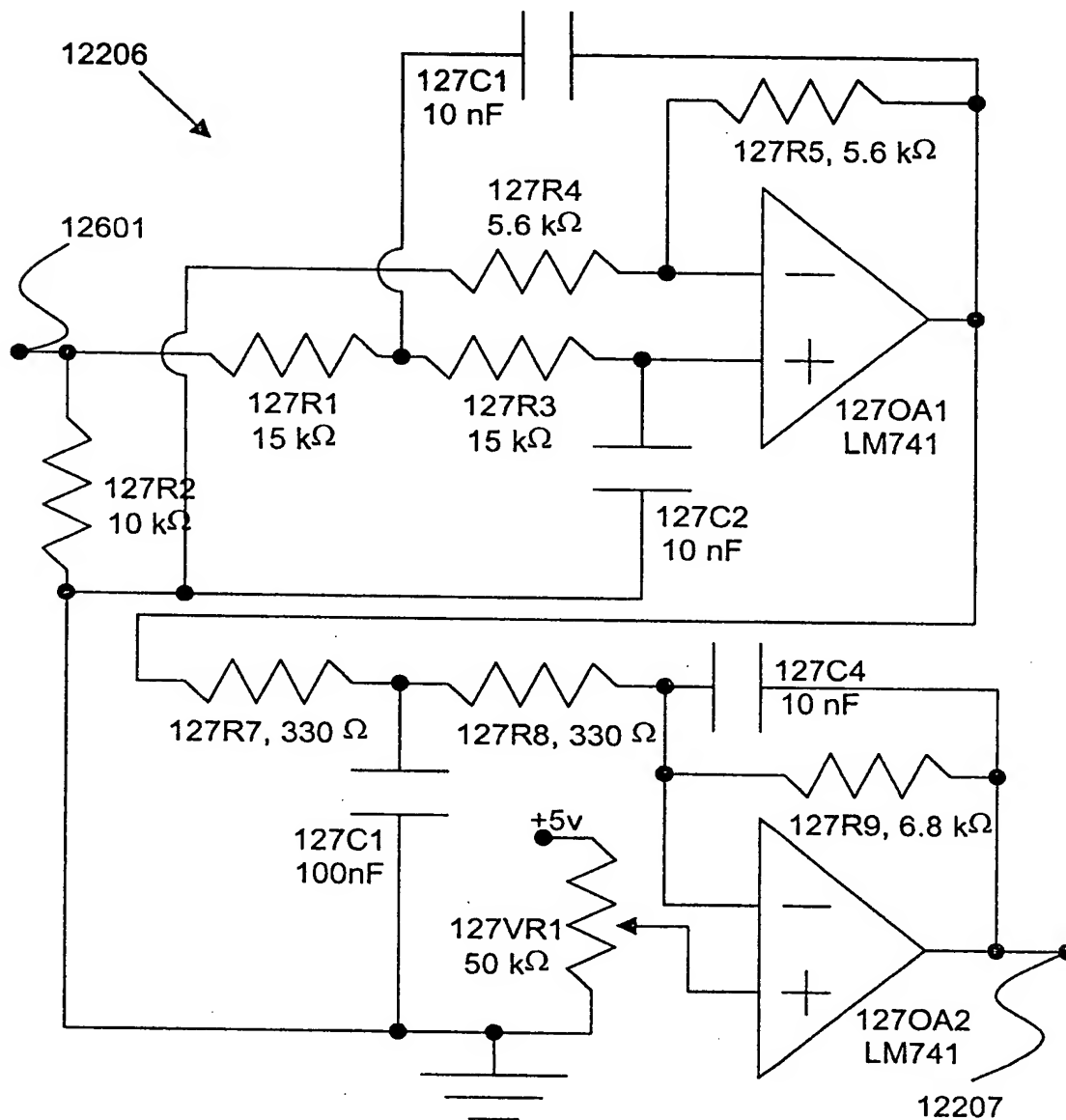


FIG. 59

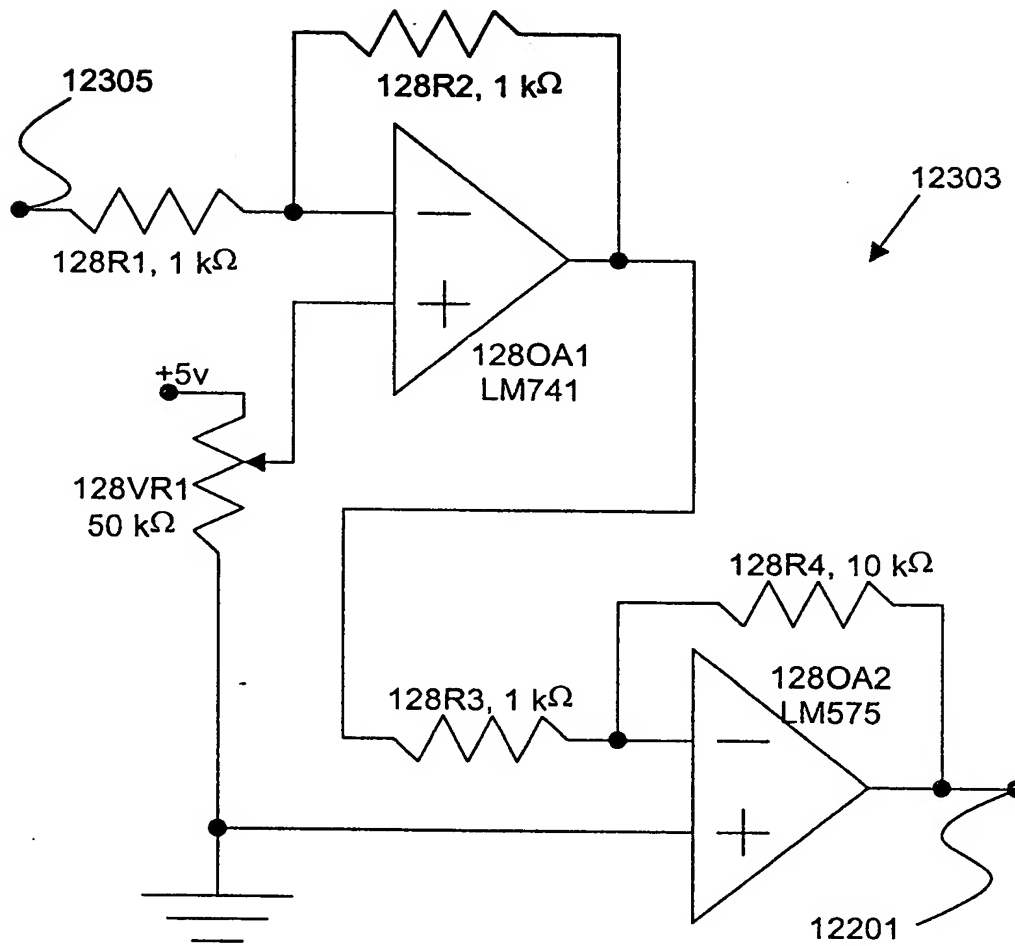


FIG. 60

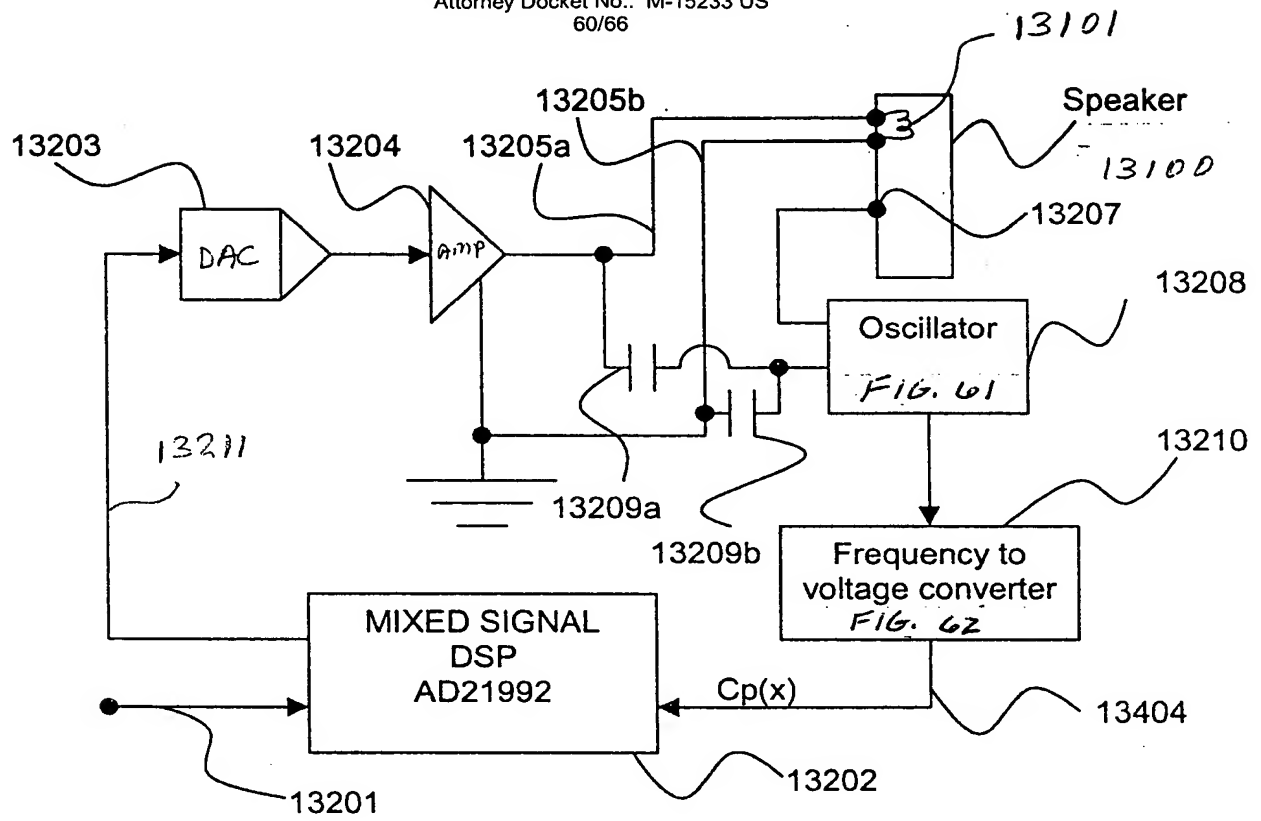


FIG. 61

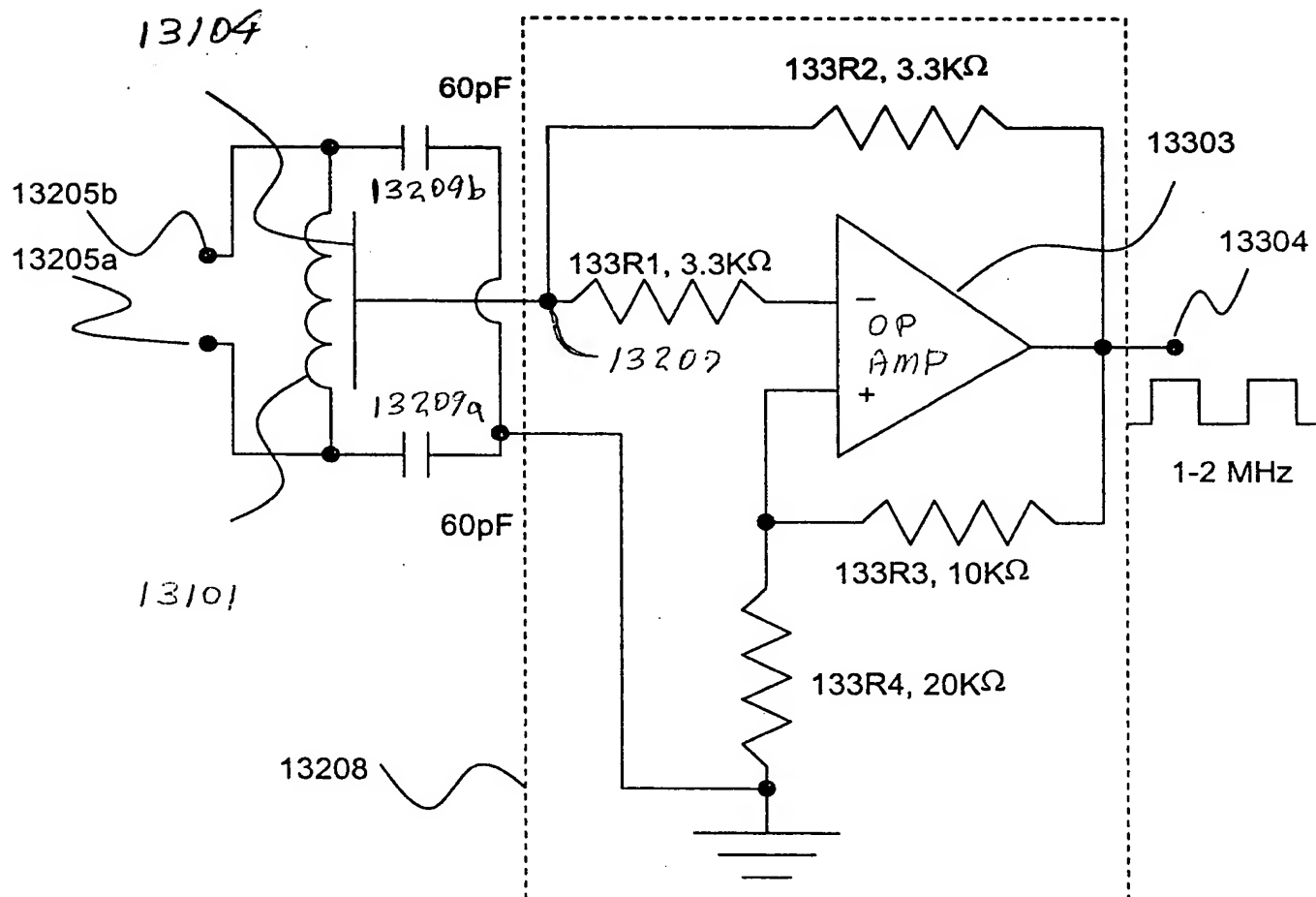


FIG. 62

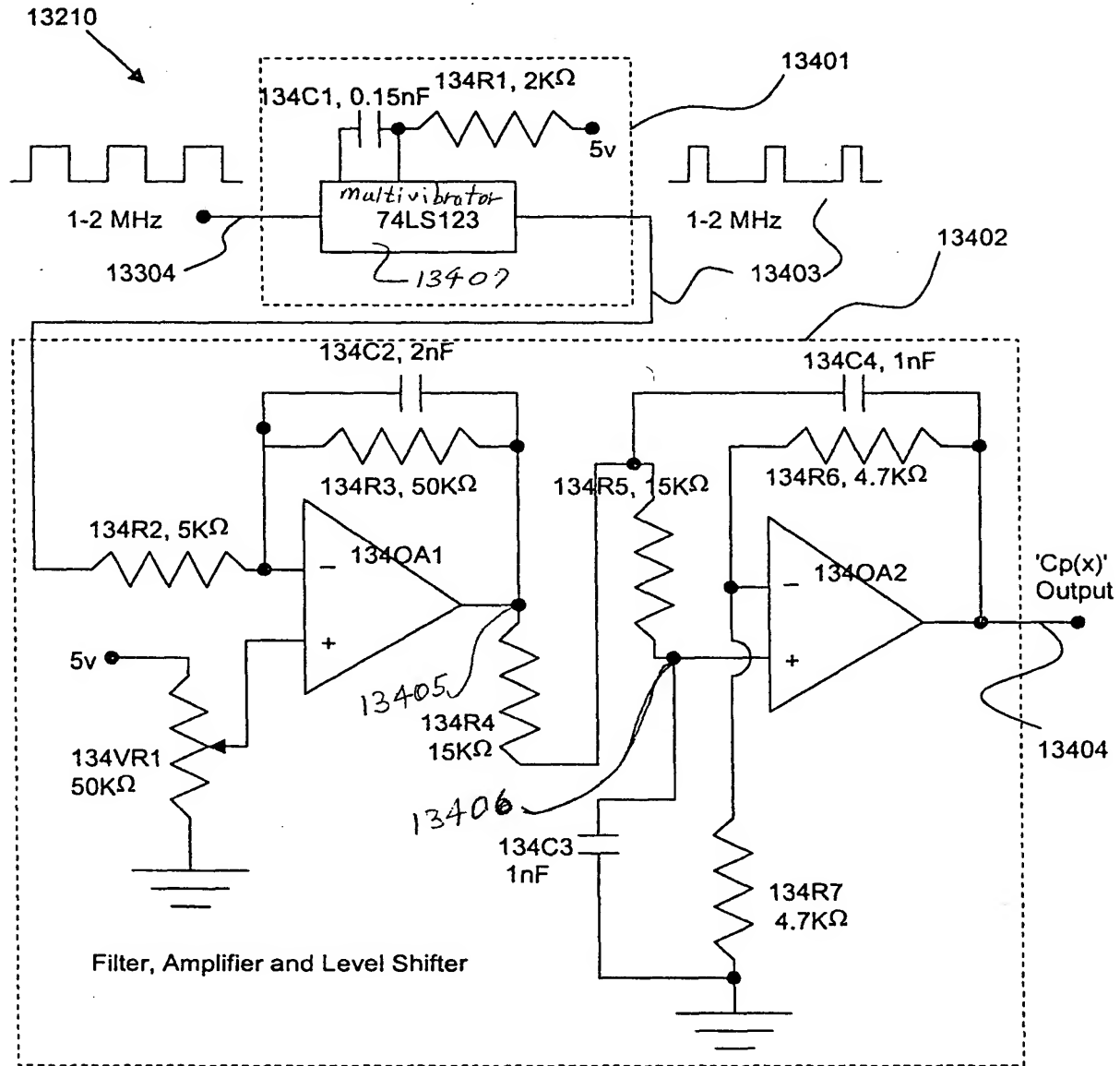


FIG. 63

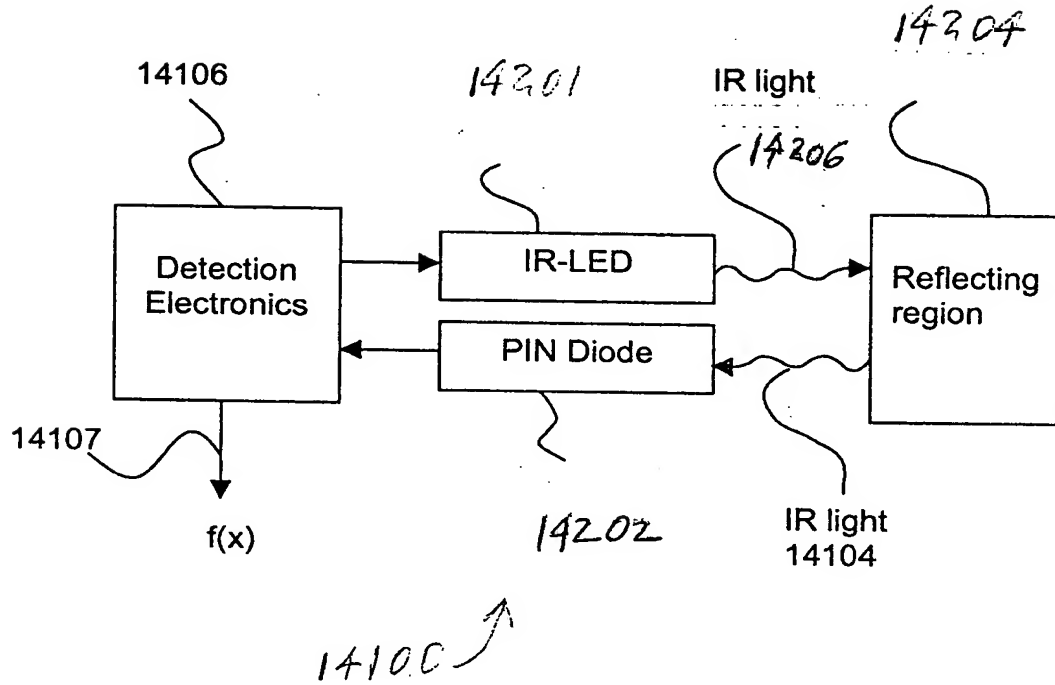
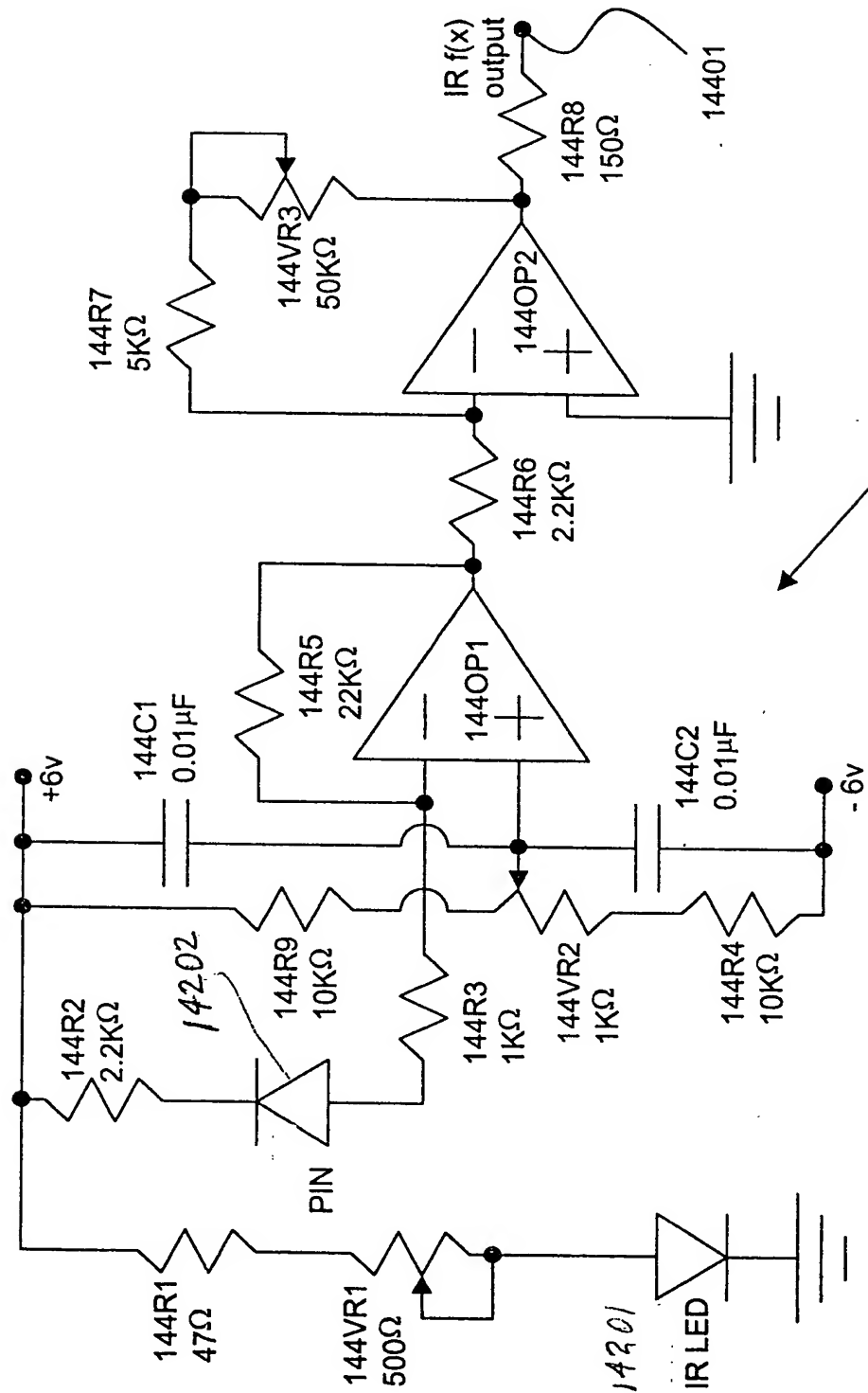


FIG. 64



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FIG. 65

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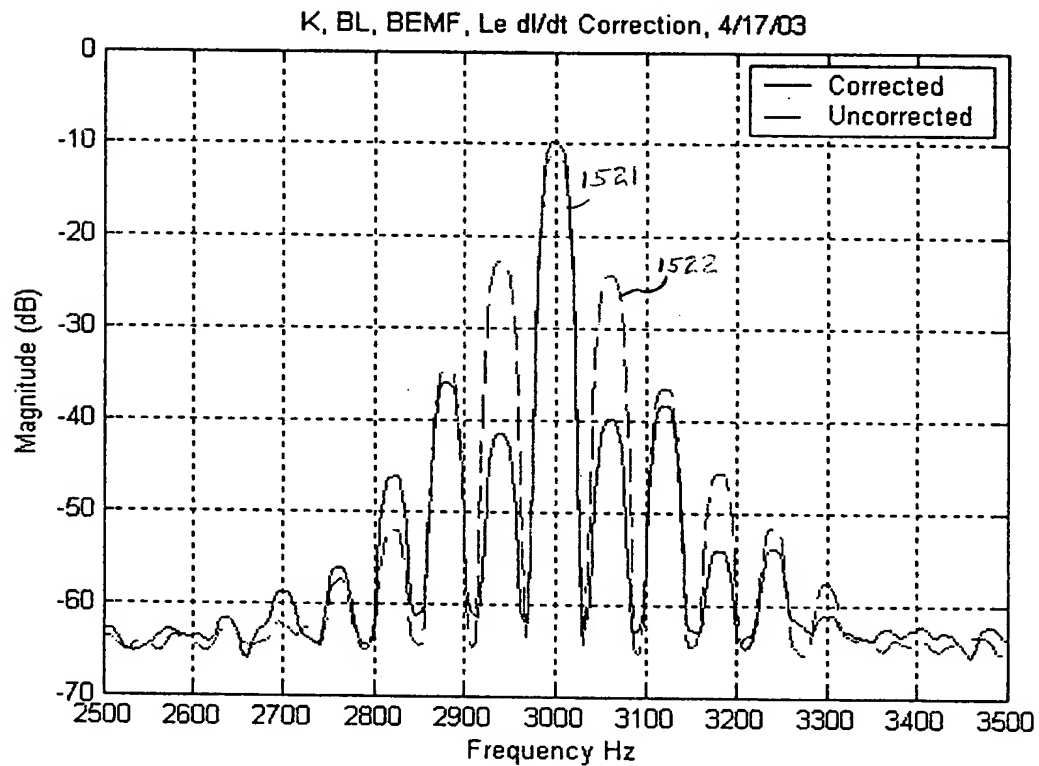


FIG. 66

